

WEST Search History

DATE: Friday, May 16, 2003

Set Name Query

side by side

Hit Count Set Name

result set

*DB=USPT,PGPB,EPAB,DWPI,TDBD; THES=ASSIG.NEE; PLUR=YES;
OP=ADJ*

L16	(proline adj rich) same antimicrobial Speptide?	6	L16
L15	Rop adj protein and (proline? or proline adj rich or pro adj pro)...	1	L15
L14	L11 and ((proline adj rich) or (pro-pro) or (P adj p))	14	L14
L13	L12 and ((resist\$ or inhibit\$) same (degradat\$ or proteoly\$))	48	L13
L12	L11 and (stabl\$ and (protein? or peptide? or polypeptide?))	167	L12
L11	four adj helix adj bundle	208	L11
L10	peptidase same proline?	10	L10
L9	L2 and (proline? same termin\$)	14	L9
L8	L2 and (pro adj pro same termin\$)	4	L8
L7	L2 and (four adj helix adj bundle)	6	L7
L6	L2 and (samll same stable)	0	L6
L5	L2 and (samll adj stable)	0	L5
L4	L2 and (samll adj stable) and (four adj helix adj bundle)	0	L4
L3	L2 and (proline? or pro-pro)	14	L3
L2	stabiliz\$ same peptide? and ((inhibit\$ or prevent\$) same ((protein adj degradation) or proteolysis))	171	L2
L1	altman-elliott.in.	3	L1

END OF SEARCH HISTORY

WEST Search History

DATE: Friday, May 16, 2003

Set Name Query

side by side

Hit Count Set Name

result set

*DB=USPT,PGPB,EPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES;
OP=ADJ*

L16	(proline adj rich) same antimicrobial Speptide?	6	L16
L15	Rop adj protein and (proline? or proline adj rich or pro adj pro)	1	L15
L14	L11 and ((proline adj rich) or (pro-pro) or (P adj p))	14	L14
L13	L12 and ((resist\$ or inhibit\$) same (degradat\$ or proteoly\$))	48	L13
L12	L11 and (stabl\$ and (protein? or peptide? or polypeptide?))	167	L12
L11	four adj helix adj bundle	208	L11
L10	peptidase same proline?	10	L10
L9	L2 and (proline? same termin\$)	14	L9
L8	L2 and (pro adj pro same termin\$)	4	L8
L7	L2 and (four adj helix adj bundle)	6	L7
L6	L2 and (samll same stable)	0	L6
L5	L2 and (samll adj stable)	0	L5
L4	L2 and (samll adj stable) and (four adj helix adj bundle)	0	L4
L3	L2 and (proline? or pro-pro)	14	L3
L2	stabiliz\$ same peptide? and ((inhibit\$ or prevent\$) same ((protein adj degradation) or proteolysis))	171	L2
L1	altman-elliott.in.	3	L1

END OF SEARCH HISTORY

WEST

Generate Collection

Print

Search Results - Record(s) 1 through 6 of 6 returned.**1. Document ID: US 5981469 A**

L16: Entry 1 of 6

File: USPT

Nov 9, 1999

US-PAT-NO: 5981469

DOCUMENT-IDENTIFIER: US 5981469 A

TITLE: 78 residue polypeptide (NK-lysine) and its use

DATE-ISSUED: November 9, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Andersson; Mats	S-116 30 Stockholm			SE
Boman; Hans G	S-114 24 Stockholm			SE
Jornvall; Hans	S-172 46 Sundbyberg			SE
Mutt; Viktor	S-171 56 Solna			SE

US-CL-CURRENT: 514/2; 530/200, 530/350

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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Full	Draw Desc	Image
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2. Document ID: US 5889152 A

L16: Entry 2 of 6

File: USPT

Mar 30, 1999

US-PAT-NO: 5889152

DOCUMENT-IDENTIFIER: US 5889152 A

TITLE: Porphenins--antibiotic peptides

DATE-ISSUED: March 30, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kokryakov; Vladimir N.	Los Angeles	CA		
Harwig; Sylvia S.L.	Woodland Hills	CA		
Lehrer; Robert I.	Santa Monica	CA		

US-CL-CURRENT: 530/350; 530/324, 530/325, 530/326, 530/327

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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Full	Draw Desc	Image
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3. Document ID: US 5856127 A

L16: Entry 3 of 6

File: USPT

Jan 5, 1999

US-PAT-NO: 5856127
DOCUMENT-IDENTIFIER: US 5856127 A

TITLE: Antimicrobial peptides

DATE-ISSUED: January 5, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Powell; William Allen	Syracuse	NY		
Maynard; Charles A.	Syracuse	NY		

US-CL-CURRENT: 435/69.1; 435/418, 435/468, 435/69.3, 530/300, 530/350, 536/23.1,
800/279, 800/301

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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4. Document ID: US 5830993 A

L16: Entry 4 of 6

File: USPT

Nov 3, 1998

US-PAT-NO: 5830993
DOCUMENT-IDENTIFIER: US 5830993 A
**** See image for Certificate of Correction ****

TITLE: Synthetic antimicrobial peptide

DATE-ISSUED: November 3, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Blecha; Frank	Manhattan	KS		
Shi; Jishu	Manhattan	KS		

US-CL-CURRENT: 530/300; 530/324, 530/350

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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5. Document ID: US 5804553 A

L16: Entry 5 of 6

File: USPT

Sep 8, 1998

US-PAT-NO: 5804553
DOCUMENT-IDENTIFIER: US 5804553 A

TITLE: Prophenins - antibiotic peptides

DATE-ISSUED: September 8, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kokryakov; Vladimir N.	Los Angeles	CA		
Harwig; Sylvia S. L.	Woodland Hills	CA		
Lehrer; Robert I.	Santa Monica	CA		

US-CL-CURRENT: 514/12; 514/16, 530/300, 530/324, 530/328

Full	Title	Citation	Print	Review	Classification	Date	Reference	Sequences	Attachments
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6. Document ID: US 5633229 A

L16: Entry 6 of 6

File: USPT

May 27, 1997

US-PAT-NO: 5633229

DOCUMENT-IDENTIFIER: US 5633229 A

TITLE: Method of using prophenins-antibiotic peptides

DATE-ISSUED: May 27, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kokryakov; Vladimir N.	Los Angeles	CA		
Harwig; Sylvia S. L.	Woodland Hills	CA		
Lehrer; Robert I.	Santa Monica	CA		

US-CL-CURRENT: 514/12; 514/15

Full	Title	Citation	Print	Review	Classification	Date	Reference	Sequences	Attachments
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Term	Documents
PROLINE.DWPI,TDBD,EPAB,USPT,PGPB.	28676
PROLINES.DWPI,TDBD,EPAB,USPT,PGPB.	959
RICH.DWPI,TDBD,EPAB,USPT,PGPB.	137795
RICHES.DWPI,TDBD,EPAB,USPT,PGPB.	1108
ANTIMICROBIAL.DWPI,TDBD,EPAB,USPT,PGPB.	42419
ANTIMICROBIALS.DWPI,TDBD,EPAB,USPT,PGPB.	6893
SPEPTIDE?	0
CARBAPEPTIDES.DWPI,TDBD,EPAB,USPT,PGPB.	1
NONADECAPEPTIDES.DWPI,TDBD,EPAB,USPT,PGPB.	4
NONADECAPEPTIDEJ.DWPI,TDBD,EPAB,USPT,PGPB.	3
TETRADECAPEPTIDES.DWPI,TDBD,EPAB,USPT,PGPB.	40
((PROLINE ADJ RICH) SAME ANTIMICROBIAL SPEPTIDE?).USPT,PGPB,EPAB,DWPI,TDBD.	6

[There are more results than shown above. Click here to view the entire set.](#)**Display Format:**[Change Format](#)[Previous Page](#)[Next Page](#)

WEST

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Search Results - Record(s) 1 through 150 of 171 returned.**1. Document ID: US 20030091565 A1**

L2: Entry 1 of 171

File: PGPB

May 15, 2003

PGPUB-DOCUMENT-NUMBER: 20030091565

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030091565 A1

TITLE: Binding polypeptides and methods based thereon

PUBLICATION-DATE: May 15, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Beltzer, James P.	Carlisle	MA	US	
Potter, M. Daniel	Acton	MA	US	
Potter, Marilou	Waltham	MA	US	
Fleming, Tony J.	Laytonsville	MD	US	
Rosen, Craig A.			US	

US-CL-CURRENT: 424/144.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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2. Document ID: US 20030087939 A1

L2: Entry 2 of 171

File: PGPB

May 8, 2003

PGPUB-DOCUMENT-NUMBER: 20030087939

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030087939 A1

TITLE: NOVEL SUCCINATE DERIVATIVE COMPOUNDS USEFUL AS CYSTEINE PROTEASE INHIBITORS

PUBLICATION-DATE: May 8, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bekkali, Younes	Danbury	CT	US	
Hickey, Eugene Richard	Danbury	CT	US	
Liu, Weimin	Shelton	CT	US	
Thomson, David S..	Ridgefield	CT	US	

US-CL-CURRENT: 514/357, 514/408, 514/519, 514/521, 514/523, 546/330, 548/561, 558/414, 558/436, 558/440, 558/445, 558/452

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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3. Document ID: US 20030083264 A1

L2: Entry 3 of 171

File: PGPB

May 1, 2003

PGPUB-DOCUMENT-NUMBER: 20030083264
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030083264 A1

TITLE: Anticancer compounds and methods

PUBLICATION-DATE: May 1, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Livant, Donna	Ann Arbor	MI	US	

US-CL-CURRENT: 514/17; 530/329

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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4. Document ID: US 20030079242 A1

L2: Entry 4 of 171

File: PGPB

Apr 24, 2003

PGPUB-DOCUMENT-NUMBER: 20030079242
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030079242 A1

TITLE: Non-human mammals comprising cells expressing vector-borne PTTG carboxy-terminal-related DNA

PUBLICATION-DATE: April 24, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Horwitz, Gregory A.	Calabasas	CA	US	
Zhang, Xun	Malden	MA	US	
Melmed, Shlomo	Los Angeles	CA	US	

US-CL-CURRENT: 800/14; 800/15; 800/16; 800/17; 800/18

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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5. Document ID: US 20030073672 A1

L2: Entry 5 of 171

File: PGPB

Apr 17, 2003

PGPUB-DOCUMENT-NUMBER: 20030073672
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030073672 A1

TITLE: Method for treating allergies using substituted pyrazoles

PUBLICATION-DATE: April 17, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Breitenbucher, J. Guy	Escondido	CA	US	
Cai, Hui	San Diego	CA	US	
Edwards, James P.	San Diego	CA	US	
Grice, Cheryl A.	Carlsbad	CA	US	
Gu, Yin	San Diego	CA	US	
Gustin, Darin J.	San Diego	CA	US	
Karlsson, Lars	La Jolla	CA	US	
Khatuya, Haripada	San Diego	CA	US	
Meduna, Steven P.	San Diego	CA	US	
Pio, Barbara A.	San Diego	CA	US	
Sun, Siqun	San Diego	CA	US	
Tays, Kevin L.	Cardiff	CA	CA	
Thumond, Robin L.	San Diego	CA	US	
Wei, Jianmei	San Diego		US	

US-CL-CURRENT: 514/151; 514/217.05, 514/218, 514/242, 514/252.02, 514/252.19,
514/253.1, 514/254.05

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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6. Document ID: US 20030069240 A1

L2: Entry 6 of 171

File: PGPB

Apr 10, 2003

PGPUB-DOCUMENT-NUMBER: 20030069240

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030069240 A1

TITLE: Method for treating allergies using substituted pyrazoles

PUBLICATION-DATE: April 10, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Breitenbucher, J. Guy	Escondido	CA	US	
Cai, Hui	San Diego	CA	US	
Edwards, James P.	San Diego	CA	US	
Grice, Cheryl A.	Carlsbad	CA	US	
Gu, Yin	San Diego	CA	US	
Gustin, Darin J.	San Diego	CA	US	
Karlsson, Lars	La Jolla	CA	US	
Khatuya, Haripada	San Diego	CA	US	
Meduna, Steven P.	San Diego	CA	US	
Pio, Barbara A.	San Diego	CA	US	
Sun, Siqun	San Diego	CA	US	
Tays, Kevin L.	Cardiff	CA	US	
Thurmond, Robin L.	San Diego	CA	US	
Wei, Jianmei	San Diego	CA	US	

US-CL-CURRENT: 514/241; 514/151, 514/218, 514/252.02, 514/253.09, 514/254.05

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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7. Document ID: US 20030069196 A1

L2: Entry 7 of 171

File: PGPB

Apr 10, 2003

PGPUB-DOCUMENT-NUMBER: 20030069196
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030069196 A1

TITLE: Compositions and methods for the treatment and diagnosis of immune disorders
PUBLICATION-DATE: April 10, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Levinson, Douglas Adam	Sherborn	MA	US	
Lloyd, Clare M.	London	CA	GB	
McCarthy, Sean A.	San Diego		US	

US-CL-CURRENT: 514/44; 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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8. Document ID: US 20030064921 A1

L2: Entry 8 of 171

File: PGPB

Apr 3, 2003

PGPUB-DOCUMENT-NUMBER: 20030064921
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030064921 A1

TITLE: Methods and compounds for modulating melanocortin receptor ligand binding and activity

PUBLICATION-DATE: April 3, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Millhauser, Glenn L.	Santa Cruz	CA	US	
Thompson, Darren	Santa Cruz	CA	US	
Bolin, Kimberly	Santa Cruz	CA	US	
Anderson, D. Joe	Ames	IA	US	
McNulty, Joseph C.	Santa Cruz	CA	US	

US-CL-CURRENT: 514/12; 514/17

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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9. Document ID: US 20030059430 A1

L2: Entry 9 of 171

File: PGPB

Mar 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030059430
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030059430 A1

TITLE: IGF-binding protein-derived peptide or small molecule

PUBLICATION-DATE: March 27, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Mascarenhas, Desmond	Los Altos Hills	CA	US	

US-CL-CURRENT: 424/145.1; 514/12, 530/324

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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Full	Draw Desc	Image
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10. Document ID: US 20030054444 A1

L2: Entry 10 of 171

File: PGPB

Mar 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030054444

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030054444 A1

TITLE: Novel human G-protein coupled receptor, HGPRBMY8, expressed highly in brain

PUBLICATION-DATE: March 20, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Battaglino, Peter	Prospect	CT	US	
Feder, John N.	Belle Mead	NJ	US	
Mintier, Gabe	Hightstown	NJ	US	
Nelson, Thomas C.	Lawrenceville	NJ	US	
Ramanathan, Chandra S.	Wallingford	CT	US	
Westphal, Ryan	Cheshire	CT	US	
Cacace, Angela	Clinton	CT	US	
Barber, Lauren	Griswold	CT	US	
Hawken, Donald R.	Lawrenceville	NJ	US	
Kornacker, Michael G.	Princeton	NJ	US	

US-CL-CURRENT: 435/69.1; 435/320.1, 435/325, 530/350, 536/23.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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11. Document ID: US 20030046715 A1

L2: Entry 11 of 171

File: PGPB

Mar 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030046715

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030046715 A1

TITLE: H2-O modified transgenic animals

PUBLICATION-DATE: March 6, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Karlsson, Lars	La Jolla	CA	US	
Leung, Wai-Ping	San Diego	CA	US	
Peterson, Per A.	Rancho Santa Fe	CA	US	
Alfonso, Christopher	San Diego	CA	US	

US-CL-CURRENT: 800/6; 435/70.21

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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12. Document ID: US 20030045460 A1

L2: Entry 12 of 171

File: PGPB

Mar 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030045460
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030045460 A1

TITLE: Orally administered peptides to ameliorate atherosclerosis

PUBLICATION-DATE: March 6, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Fogelman, Alan M.	Beverly Hills	CA	US	
Anantharamaiah, Gattadahalli M.	Birmingham	AL	US	
Navab, Mohamad	Los Angeles	CA	US	

US-CL-CURRENT: 514/12; 514/13, 514/14, 514/15, 530/324, 530/325, 530/326, 530/327

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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13. Document ID: US 20030044892 A1

L2: Entry 13 of 171

File: PGPB

Mar 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030044892
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030044892 A1

TITLE: Novel human G-protein coupled receptor, HGPRBM6, expressed highly in small intestine

PUBLICATION-DATE: March 6, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Feder, John N.	Belle Mead	NJ	US	
Mintier, Gabe	Hightstown	NJ	US	
Ramanathan, Chandra S.	Wallingford	CT	US	
Hawken, Donald R.	Lawrenceville	NJ	US	
Cacace, Angela	Clinton	CT	US	
Barber, Lauren	Griswold	CT	US	
Kornacker, Michael G.	Princeton	NJ	US	

US-CL-CURRENT: [435/69.1](#); [435/320.1](#), [435/325](#), [435/6](#), [530/350](#), [536/23.5](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachment
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Full	Draw Desc	Image
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14. Document ID: US 20030032583 A1

L2: Entry 14 of 171

File: PGPB

Feb 13, 2003

PGPUB-DOCUMENT-NUMBER: 20030032583

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030032583 A1

TITLE: Glutamine rich dietary composition

PUBLICATION-DATE: February 13, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ostrom, Steven M.	Minnetonka	MN	US	

US-CL-CURRENT: [514/2](#); [424/439](#), [514/44](#), [514/547](#), [514/565](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachment
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15. Document ID: US 20030031662 A1

L2: Entry 15 of 171

File: PGPB

Feb 13, 2003

PGPUB-DOCUMENT-NUMBER: 20030031662

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030031662 A1

TITLE: Pituitary tumor transforming gene (PTTG) carboxy-terminal peptides and methods of use thereof to inhibit neoplastic cellular proliferation and/or transformation

PUBLICATION-DATE: February 13, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Horwitz, Gregory A.	Calabasas	CA	US	
Zhang, Xun	Malden	MA	US	
Melmed, Shlomo	Los Angeles	CA	US	

US-CL-CURRENT: [424/94.63](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachment
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Full	Draw Desc	Image
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16. Document ID: US 20030027766 A1

L2: Entry 16 of 171

File: PGPB

Feb 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030027766

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030027766 A1

TITLE: Methods and compositions for stimulating T-lymphocytes

PUBLICATION-DATE: February 6, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ioannides, Constantin G.	Houston	TX	US	
Fisk, Bryan A.	Houston	TX	US	
Ioannides, Maria G.	Athens		GR	

US-CL-CURRENT: 514/13; 514/14, 514/15, 514/16, 530/326, 530/327, 530/328

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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17. Document ID: US 20030027757 A1

L2: Entry 17 of 171

File: PGPB

Feb 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030027757

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030027757 A1

TITLE: Novel molecules of the PYRIN/NBS/LRR protein family and uses thereof

PUBLICATION-DATE: February 6, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bertin, John	Watertown	MA	US	
Wang, Weiye	Plainsboro	NJ	US	
Blatcher, Maria	Moorestown	NJ	US	

US-CL-CURRENT: 514/12; 435/183, 435/320.1, 435/325, 435/69.1, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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Find	Draw Desc	Image
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18. Document ID: US 20030027323 A1

L2: Entry 18 of 171

File: PGPB

Feb 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030027323

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030027323 A1

TITLE: Novel human G-protein coupled receptor, HGPRBM5, expressed highly in brain and ovarian tissues

PUBLICATION-DATE: February 6, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Feder, John N.	Belle Mead	NJ	US	
Mintier, Gabe	Hightstown	NJ	US	
Ramanathan, Chandra S.	Wallingford	CT	US	
Hawken, Donald R.	Lawrenceville	NJ	US	

US-CL-CURRENT: 435/252.3; 530/350

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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19. Document ID: US 20030022837 A1

L2: Entry 19 of 171

File: PGPB

Jan 30, 2003

PGPUB-DOCUMENT-NUMBER: 20030022837

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030022837 A1

TITLE: Modulation of cell division by an early mitotic inhibitor protein

PUBLICATION-DATE: January 30, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Jackson, Peter K.	Stanford	CA	US	
Reimann, Julie Regan	Menlo Park	CA	US	

US-CL-CURRENT: 514/12; 514/44, 530/350

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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20. Document ID: US 20030022237 A1

L2: Entry 20 of 171

File: PGPB

Jan 30, 2003

PGPUB-DOCUMENT-NUMBER: 20030022237

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030022237 A1

TITLE: Novel human G-protein coupled receptor, HGPRBMY4, expressed highly in prostate, colon, and lung

PUBLICATION-DATE: January 30, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Feder, John N.	Belle Mead	NJ	US	
Mintier, Gabe	Hightstown	NJ	US	
Ramanathan, Chandra S.	Wallingford	CT	US	
Hawken, Donald R.	Lawrenceville	NJ	US	
Cacace, Angela	Clinton	CT	US	
Barber, Lauren	Griswold	CT	US	
Kornacker, Michael G.	Princeton	NJ	US	

US-CL-CURRENT: 435/7.1; 435/320.1, 435/325, 435/69.1, 530/350, 530/388.22, 536/23.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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21. Document ID: US 20030022186 A1

L2: Entry 21 of 171

File: PGPB

Jan 30, 2003

PGPUB-DOCUMENT-NUMBER: 20030022186
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030022186 A1

TITLE: Novel human G-protein coupled receptor, hgprbmy18, expressed highly in
pituitary gland and colon carcinoma cells

PUBLICATION-DATE: January 30, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Feder, John N.	Belle Mead	NJ	US	
Mintier, Gabe	Hightstown	NJ	US	
Ramanathan, Chandra S.	Wallingford	CT	US	

US-CL-CURRENT: 435/6; 435/320.1, 435/325, 435/69.1, 530/350, 536/23.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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22. Document ID: US 20030022183 A1

L2: Entry 22 of 171

File: PGPB

Jan 30, 2003

PGPUB-DOCUMENT-NUMBER: 20030022183
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030022183 A1

TITLE: Novel human G-protein coupled receptor, HGPRBMY7, expressed highly in spinal
cord

PUBLICATION-DATE: January 30, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Battaglino, Peter M.	Prospect	CT	US	
Feder, John N.	Belle Mead	NJ	US	
Mintier, Gabe	Hightstown	NJ	US	
Ramanathan, Chandra S.	Wallingford	CT	US	
Westphal, Ryan S.	Cheshire	CT	US	
Hawken, Donald R.	Lawrenceville	NJ	US	
Cacace, Angela	Clinton	CT	US	
Barber, Lauren	Griswold	CT	US	
Kornacker, Michael G.	Princeton	NJ	US	

US-CL-CURRENT: 435/6; 435/320.1, 435/325, 435/69.1, 530/350, 536/23.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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23. Document ID: US 20030018001 A1

L2: Entry 23 of 171

File: PGPB

Jan 23, 2003

PGPUB-DOCUMENT-NUMBER: 20030018001
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030018001 A1

TITLE: Methods of using pituitary tumor transforming gene (PTTG) carboxy-terminal peptides to inhibit neoplastic cellular proliferation and/or transformation of breast and ovarian cells

PUBLICATION-DATE: January 23, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Heaney, Anthony P.	Los Angeles	CA	US	
Horwitz, Gregory A.	Calabasas	CA	US	
Zhang, Xun	Malden	MA	US	
Melmed, Shlomo	Los Angeles	CA	US	

US-CL-CURRENT: 514/44; 424/93.21, 514/12

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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24. Document ID: US 20030017983 A1

L2: Entry 24 of 171

File: PGPB

Jan 23, 2003

PGPUB-DOCUMENT-NUMBER: 20030017983
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030017983 A1

TITLE: Novel molecules of the pyrin/NBS/LRR protein family and uses thereof

PUBLICATION-DATE: January 23, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bertin, John	Watertown	MA	US	
Wang, Weiye	Plainsboro	NJ	US	
Blatcher, Maria	Moorestown	NJ	US	

US-CL-CURRENT: 514/12; 435/189, 435/320.1, 435/325, 435/69.1, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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25. Document ID: US 20030008380 A1

L2: Entry 25 of 171

File: PGPB

Jan 9, 2003

PGPUB-DOCUMENT-NUMBER: 20030008380
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030008380 A1

TITLE: Yeast cells engineered to produce pheromone system protein surrogates, and uses therefor

PUBLICATION-DATE: January 9, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
FOWLKES, DANA MERRIMAN	CHAPEL HILL	NC	US	
BROACH, JIM	PRINCETON	NJ	US	
MANFREDI, JOHN	NEW YORK	NY	US	
KLEIN, CHRISTINE	NEW YORK	NY	US	
MURPHY, ANDREW J.	MONTCLAIR	NJ	US	
PAUL, DR. JEREMY	SOUTH NYACK	NY	US	
TRUEHEART, JOSHUA	SOUTH NYACK	NY	US	

US-CL-CURRENT: 435/254.2; 435/7.31

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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26. Document ID: US 20020197660 A1

L2: Entry 26 of 171

File: PGPB

Dec 26, 2002

PGPUB-DOCUMENT-NUMBER: 20020197660
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020197660 A1

TITLE: Novel molecules of the PYRIN domain protein family and uses thereof

PUBLICATION-DATE: December 26, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bertin, John	Watertown	MA	US	
Manji, Gulam A.	Pacifica	CA	US	

US-CL-CURRENT: 435/7.92

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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27. Document ID: US 20020187922 A1

L2: Entry 27 of 171

File: PGPB

Dec 12, 2002

PGPUB-DOCUMENT-NUMBER: 20020187922
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020187922 A1

TITLE: Novel molecules of the pyrin domain protein family and uses thereof

PUBLICATION-DATE: December 12, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bertin, John	Watertown	MA	US	
Manji, Gulam A.	Pacifica	CA	US	

US-CL-CURRENT: 514/1; 435/7.23

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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28. Document ID: US 20020187200 A1

L2: Entry 28 of 171

File: PGPB

Dec 12, 2002

PGPUB-DOCUMENT-NUMBER: 20020187200
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020187200 A1

TITLE: Dietary supplement comprising lactoferrin and citrus pectin

PUBLICATION-DATE: December 12, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Gohlke, Marcus B.	Houston	TX	US	
Cockrum, Richard H.	Perry	IA	US	

US-CL-CURRENT: 424/535; 424/736

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachment
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29. Document ID: US 20020177125 A1

L2: Entry 29 of 171

File: PGPB

Nov 28, 2002

PGPUB-DOCUMENT-NUMBER: 20020177125
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020177125 A1

TITLE: Human rhinovirus assays, and compositions therefrom

PUBLICATION-DATE: November 28, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Kamb, Carl Alexander	Salt Lake City	UT	US	
Poritz, Mark Aaron	Salt Lake City	UT	US	
Teng, David Heng-Fai	Salt Lake City	UT	US	

US-CL-CURRENT: 435/5; 435/219; 435/235.1; 435/320.1; 435/366; 435/69.3; 536/23.72

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachment
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30. Document ID: US 20020165147 A1

L2: Entry 30 of 171

File: PGPB

Nov 7, 2002

PGPUB-DOCUMENT-NUMBER: 20020165147
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020165147 A1

TITLE: Brain-associated inhibitor of tissue-type plasminogen activator

PUBLICATION-DATE: November 7, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Yepes, Manuel	Alexandria	VA	US	
Lawrence, Daniel A.	Derwood	MD	US	
Coleman, Timothy A.	Gaithersburg	MD	US	

US-CL-CURRENT: 514/12; 435/320.1, 435/325, 435/69.1, 530/350, 536/23.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachment	Link	Draw Desc	Image
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31. Document ID: US 20020164667 A1

L2: Entry 31 of 171

File: PGPB

Nov 7, 2002

PGPUB-DOCUMENT-NUMBER: 20020164667
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020164667 A1

TITLE: VEGFR-3 inhibitor materials and methods

PUBLICATION-DATE: November 7, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Alitalo, Kari	Helsinki		FI	
Koivunen, Erkki	Helsinki		FI	
Kubo, Hajime	Helsinki		FI	

US-CL-CURRENT: 435/7.23; 424/1.49, 514/44, 530/391.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachment	Link	Draw Desc	Image
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32. Document ID: US 20020155563 A1

L2: Entry 32 of 171

File: PGPB

Oct 24, 2002

PGPUB-DOCUMENT-NUMBER: 20020155563
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020155563 A1

TITLE: Identification and cloning of a full-length human Clnk-related gene, MIST (Mast Cell Immunoreceptor Signal Transducer)

PUBLICATION-DATE: October 24, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Perez-Villar, Juan J.	Mercerville	NJ	US	
Chang, Han	Princeton Junction	NJ	US	
Yang, Wen-Pin	Princeton	NJ	US	
Wu, Yuli	Newtown	PA	US	
Whitney, Gena S.	Lawrenceville	NJ	US	
Kanner, Steven B.	Princeton	NJ	US	

US-CL-CURRENT: 435/183; 435/320.1, 435/325, 435/6, 435/69.1, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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33. Document ID: US 20020151497 A1

L2: Entry 33 of 171

File: PGPB

Oct 17, 2002

PGPUB-DOCUMENT-NUMBER: 20020151497
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020151497 A1

TITLE: Treatment of prostate cancer by inhibiting Lyn tyrosine kinase

PUBLICATION-DATE: October 17, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ben-Sasson, Shmuel	Jerusalem		IL	

US-CL-CURRENT: 514/12; 514/13, 514/14, 514/15, 514/16, 514/17

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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34. Document ID: US 20020150920 A1

L2: Entry 34 of 171

File: PGPB

Oct 17, 2002

PGPUB-DOCUMENT-NUMBER: 20020150920
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020150920 A1

TITLE: Novel molecules of the NBS/LRR protein family and uses thereof

PUBLICATION-DATE: October 17, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bertin, John	Watertown	MA	US	
Wang, Weiye	Plainsboro	NJ	US	
Blatcher, Maria	Moorestown	NJ	US	

US-CL-CURRENT: 435/6; 435/183, 435/320.1, 435/325, 435/69.1, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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35. Document ID: US 20020150881 A1

L2: Entry 35 of 171

File: PGPB

Oct 17, 2002

PGPUB-DOCUMENT-NUMBER: 20020150881
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020150881 A1

TITLE: Directed evolution of novel binding proteins

PUBLICATION-DATE: October 17, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ladner, Robert Charles	Ijamsville	MD	US	
Guterman, Sonia Kosow	Belmont	MA	US	
Roberts, Bruce Lindsay	Milford	MA	US	
Markland, William	Milford	MA	US	
Ley, Arthur Charles	Newton	MA	US	
Kent, Rachel Baribault	Boxborough	MA	US	

US-CL-CURRENT: [435/5](#); [435/235.1](#), [435/6](#), [435/7.1](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachment
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36. Document ID: US 20020147189 A1

L2: Entry 36 of 171

File: PGPB

Oct 10, 2002

PGPUB-DOCUMENT-NUMBER: 20020147189

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020147189 A1

TITLE: Method for treating allergies using substituted pyrazoles

PUBLICATION-DATE: October 10, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Cai, Hui	San Diego	CA	US	
Edwards, James P.	San Diego	CA	US	
Gu, Yin	San Diego	CA	US	
Karlsson, Lars	La Jolla	CA	US	
Meduna, Steven P.	San Diego	CA	US	
Pio, Barbara A.	San Diego	CA	US	
Sun, Siquan	San Diego	CA	US	
Thurmond, Robin L.	San Diego	CA	US	
Wei, Jianmei	San Diego	CA	US	

US-CL-CURRENT: [514/217.06](#); [514/217.07](#), [514/243](#), [514/260.1](#), [514/265.1](#), [514/300](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachment
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37. Document ID: US 20020147162 A1

L2: Entry 37 of 171

File: PGPB

Oct 10, 2002

PGPUB-DOCUMENT-NUMBER: 20020147162

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020147162 A1

TITLE: Methods of modulating angiogenesis by regulating the expression of pituitary tumor transforming gene PTTG

PUBLICATION-DATE: October 10, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Heaney, Anthony P.	Los Angeles	CA	US	
Ishikawa, Hiroki	Nagasaki	CA	JP	
Yu, Run	Los Angeles	CA	US	
Horwitz, Gregory A.	Los Angeles	MA	US	
Zhang, Xun	Malden	CA	US	
Melmed, Shlomo	Los Angeles		US	

US-CL-CURRENT: 514/44

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachment
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38. Document ID: US 20020146701 A1

L2: Entry 38 of 171

File: PGPB

Oct 10, 2002

PGPUB-DOCUMENT-NUMBER: 20020146701
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020146701 A1

TITLE: Methods of detecting interactions between proteins, peptides or libraries thereof using fusion proteins

PUBLICATION-DATE: October 10, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Hamilton, Andrew D.	Guilford	CT	US	
Ghosh, Indraneel	Tucson	AZ	US	
Regan, Lynne	New Haven	CT	US	

US-CL-CURRENT: 435/6; 435/69.1, 435/7.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachment
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39. Document ID: US 20020146428 A1

L2: Entry 39 of 171

File: PGPB

Oct 10, 2002

PGPUB-DOCUMENT-NUMBER: 20020146428
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020146428 A1

TITLE: Treatment or prophylaxis of diseases caused by pilus-forming bacteria

PUBLICATION-DATE: October 10, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Hultgren, Scott	Ballwin	MO	US	
Kuehn, Meta	Berkeley	CA	US	
Xu, Zheng	Blue Bell	PA	US	
Ogg, Derek	Stockholm	MO	SE	
Harris, Mark	Uppsala		SE	
Lepisto, Matti	Lund		SE	
Jones, Charles Hal	Saint Louis		US	
Kihlberg, Jan	Dalby		SE	

US-CL-CURRENT: [424/190.1](#); [424/242.1](#), [435/183](#), [435/252.3](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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40. Document ID: US 20020143165 A1

L2: Entry 40 of 171

File: PGPB

Oct 3, 2002

PGPUB-DOCUMENT-NUMBER: 20020143165

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020143165 A1

TITLE: Brain-associated inhibitor of tissue-type plasminogen activator

PUBLICATION-DATE: October 3, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Lawrence, Daniel A.	Derwood	MD	US	
Yepes, Manuel	Alexandria	VA	US	
Sandkvist, Maria	Derwood	MD	US	
Wong, Michael K. K.	Wexford	PA	US	
Coleman, Timothy A.	Gaithersburg	MD	US	

US-CL-CURRENT: [536/23.1](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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41. Document ID: US 20020142317 A1

L2: Entry 41 of 171

File: PGPB

Oct 3, 2002

PGPUB-DOCUMENT-NUMBER: 20020142317

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020142317 A1

TITLE: Methods for the early diagnosis of ovarian cancer

PUBLICATION-DATE: October 3, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
O'Brien, Timothy J.	Little Rock	AR	US	
Cannon, Martin J.	Little Rock	AR	US	
Santin, Alessandro	Little Rock	AR	US	

US-CL-CURRENT: 435/6; 536/23.1

Full	Title	Creation	Front	Review	Classification	Date	Reference	Sequence	Attachment
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42. Document ID: US 20020137932 A1

L2: Entry 42 of 171

File: PGPB

Sep 26, 2002

PGPUB-DOCUMENT-NUMBER: 20020137932

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020137932 A1

TITLE: Novel compounds useful as reversible inhibitors of cysteine proteases

PUBLICATION-DATE: September 26, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bekkali, Younes	Danbury	CT	US	
Hickey, Eugene R.	Danbury	CT	US	
Liu, Weimin	Shelton	CT	US	
Patel, Usha R.	Brookfield	CT	US	
Spero, Denise M.	West Redding	CT	US	
Sun, Sanxing	Danbury	CT	US	
Thomson, David S.	Ridgefield	CT	US	
Ward, Yancey D.	Sandy Hook	CT	US	
Young, Erick R.R.	Danbury	CT	US	

US-CL-CURRENT: 544/92

Full	Title	Creation	Front	Review	Classification	Date	Reference	Sequence	Attachment
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43. Document ID: US 20020132333 A1

L2: Entry 43 of 171

File: PGPB

Sep 19, 2002

PGPUB-DOCUMENT-NUMBER: 20020132333

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020132333 A1

TITLE: Structural analysis of the calpains as procedures for the development of inhibitors

PUBLICATION-DATE: September 19, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Strobl, Stefan	Planegg		DE	
Fernandez-Catalan, Carlos	Planegg		DE	
Bode, Wolfram	Gauting		DE	
Huber, Robert	Germering		DE	
Suzuki, Koichi	Tokyo		JP	

US-CL-CURRENT: 435/226

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachment
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44. Document ID: US 20020120100 A1

L2: Entry 44 of 171

File: PGPB

Aug 29, 2002

PGPUB-DOCUMENT-NUMBER: 20020120100
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020120100 A1

TITLE: Intracellular delivery of biological effectors

PUBLICATION-DATE: August 29, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bonny, Christophe	Lausanne		CH	

US-CL-CURRENT: 530/322; 530/314

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachment
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45. Document ID: US 20020115656 A1

L2: Entry 45 of 171

File: PGPB

Aug 22, 2002

PGPUB-DOCUMENT-NUMBER: 20020115656
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020115656 A1

TITLE: Method for treating allergies using substituted pyrazoles

PUBLICATION-DATE: August 22, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Butler, Christopher R.	San Diego	CA	US	
Cai, Hui	San Diego	CA	US	
Edwards, James P.	San Diego	CA	US	
Grice, Cheryl A.	Carlsbad	CA	US	
Gu, Yin	San Diego	CA	US	
Gustin, Darin J.	San Diego	CA	US	
Karlsson, Lars	La Jolla	CA	US	
Khatuya, Haripada	San Diego	CA	US	
Meduna, Steven P.	San Diego	CA	US	
Pio, Barbara A.	San Diego	CA	US	
Sehon, Clark A.	San Diego	CA	US	
Sun, Siqun	San Diego	CA	US	
Tays, Kevin L.	Cardiff	CA	US	
Thurmond, Robin L.	San Diego	CA	US	
Wei, Jianmei	San Diego	CA	US	

US-CL-CURRENT: 514/217.04, 514/217.09, 514/227.8, 514/235.8, 514/253.09, 514/318,
514/326, 514/341, 514/406

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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46. Document ID: US 20020114829 A1

L2: Entry 46 of 171

File: PGPB

Aug 22, 2002

PGPUB-DOCUMENT-NUMBER: 20020114829
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020114829 A1

TITLE: Materials and methods for making improved liposome compositions

PUBLICATION-DATE: August 22, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Onyuksel, Hayat	Western Springs	IL	US	
Rubinstein, Israel	Highland Park	IL	US	

US-CL-CURRENT: 424/450; 424/94.63

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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47. Document ID: US 20020106689 A1

L2: Entry 47 of 171

File: PGPB

Aug 8, 2002

PGPUB-DOCUMENT-NUMBER: 20020106689
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020106689 A1

TITLE: METHODS FOR DIAGNOSING AND TREATING AUTOIMMUNE DISEASE

PUBLICATION-DATE: August 8, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
FAUSTMAN, DENISE	WESTON	MA	US	
HAYASHI, TAKUMA	CAMBRIDGE	MA	US	

US-CL-CURRENT: 435/7.1; 436/506

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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48. Document ID: US 20020102604 A1

L2: Entry 48 of 171

File: PGPB

Aug 1, 2002

PGPUB-DOCUMENT-NUMBER: 20020102604
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020102604 A1

TITLE: Full-length human cDNAs encoding potentially secreted proteins

PUBLICATION-DATE: August 1, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Milne Edwards, Jean-Baptiste Dumas	Paris		FR	
Bougueleret, Lydie	Petit Lancy		CH	
Jobert, Severin	Paris		FR	

US-CL-CURRENT: 435/7.1; 530/350, 536/23.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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49. Document ID: US 20020091259 A1

L2: Entry 49 of 171

File: PGPB

Jul 11, 2002

PGPUB-DOCUMENT-NUMBER: 20020091259

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020091259 A1

TITLE: Compounds useful as reversible inhibitors of cathepsin S

PUBLICATION-DATE: July 11, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Cywin, Charles L.	Bethel	CT	US	
Emmanuel, Michel J.	Danbury	CT	US	
Morwick, Tina	New Milford	CT	US	
Spero, Denise M.	West Redding	CT	US	
Thomson, David S.	Ridgefield	CT	US	
Ward, Yancey D.	Sandy Hook	CT	US	

US-CL-CURRENT: 544/162; 544/163, 558/392, 558/396, 564/152, 564/47

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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50. Document ID: US 20020086034 A1

L2: Entry 50 of 171

File: PGPB

Jul 4, 2002

PGPUB-DOCUMENT-NUMBER: 20020086034

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020086034 A1

TITLE: Compositions and methods for treating viral infections

PUBLICATION-DATE: July 4, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Gelder, Frank B.	Shreveport	LA	US	

US-CL-CURRENT: 424/228.1; 424/188.1, 435/339.1, 435/5, 435/6, 435/7.1, 530/300, 530/324, 530/325, 530/326, 530/388.35, 530/389.4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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51. Document ID: US 20020081636 A1

L2: Entry 51 of 171

File: PGPB

Jun 27, 2002

PGPUB-DOCUMENT-NUMBER: 20020081636

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020081636 A1

TITLE: Novel molecules of the card-related protein family and uses thereof

PUBLICATION-DATE: June 27, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bertin, John	Watertown	MA	US	

US-CL-CURRENT: 435/7.23; 435/183, 530/388.26

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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52. Document ID: US 20020068047 A1

L2: Entry 52 of 171

File: PGPB

Jun 6, 2002

PGPUB-DOCUMENT-NUMBER: 20020068047

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020068047 A1

TITLE: Methods and compositions for wound healing

PUBLICATION-DATE: June 6, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Livant, Donna L.	Ann Arbor	MI	US	

US-CL-CURRENT: 424/93.7; 514/12

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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53. Document ID: US 20020058809 A1

L2: Entry 53 of 171

File: PGPB

May 16, 2002

PGPUB-DOCUMENT-NUMBER: 20020058809

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020058809 A1

TITLE: Compounds useful as reversible inhibitors of cysteine proteases

PUBLICATION-DATE: May 16, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Emmanuel, Michel Jose	Danbury	CT	US	
Hickey, Eugene R.	Danbury	CT	US	
Liu, Weimin	Shelton	CT	US	
Spero, Denise Mary	West Redding	CT	US	
Sun, Sanxing	Danbury	CT	US	
Thomson, David S.	Ridgefield	CT	US	
Ward, Yancey David	Sandy Hook	CT	US	
Young, Erick Richard Roush	Danbury	CT	US	

US-CL-CURRENT: 544/60; 544/114, 544/115, 544/120, 544/238, 544/295, 544/333,
544/353, 544/360, 544/363, 544/368, 544/369, 544/373, 544/8

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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54. Document ID: US 20020055497 A1

L2: Entry 54 of 171

File: PGPB

May 9, 2002

PGPUB-DOCUMENT-NUMBER: 20020055497
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020055497 A1

TITLE: Method for treating allergies using substituted pyrazoles

PUBLICATION-DATE: May 9, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Butler, Christopher R.	San Diego	CA	US	
Cai, Hui	San Diego	CA	US	
Edwards, James P.	San Diego	CA	US	
Grice, Cheryl A.	Carlsbad	CA	US	
Gu, Yin	San Diego	CA	US	
Gustin, Darin J.	San Diego	CA	US	
Karlsson, Lars	La Jolla	CA	US	
Khatuya, Haripada	San Diego	CA	US	
Meduna, Steven P.	San Diego	CA	US	
Pio, Barbara A.	San Diego	CA	US	
Sehon, Clark A.	San Diego	CA	US	
Sun, Siqun	San Diego	CA	US	
Tays, Kevin L.	Cardiff	CA	US	
Thurmond, Robin L.	San Diego	CA	US	
Wei, Jianmei	San Diego	CA	US	

US-CL-CURRENT: 514/210.2; 514/217.09, 514/326, 514/406

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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55. Document ID: US 20020055186 A1

L2: Entry 55 of 171

File: PGPB

May 9, 2002

PGPUB-DOCUMENT-NUMBER: 20020055186

PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020055186 A1

TITLE: Detection of peptides

PUBLICATION-DATE: May 9, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Barry, Richard	Abingdon		GB	
Platt, Albert Edward	Abingdon		GB	
Scrivener, Elaine	Abingdon		GB	
Soloviev, Mikhail	Abingdon		GB	
Terrett, Jonathan Alexander	Abingdon		GB	

US-CL-CURRENT: 436/518

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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56. Document ID: US 20020048566 A1

L2: Entry 56 of 171

File: PGPB

Apr 25, 2002

PGPUB-DOCUMENT-NUMBER: 20020048566
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020048566 A1

TITLE: Modulation of cellular apoptosis and methods for treating cancer

PUBLICATION-DATE: April 25, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
El-Deiry, Wafik S.	Bryn Mawr	PA	US	
Bernhard, Eric J.	Philadelphia	PA	US	
Burns, Timothy F.	Philadelphia	PA	US	
McDonald, E. Robert III	Philadelphia	PA	US	

US-CL-CURRENT: 424/93.21; 435/320.1, 514/12

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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57. Document ID: US 20020042080 A1

L2: Entry 57 of 171

File: PGPB

Apr 11, 2002

PGPUB-DOCUMENT-NUMBER: 20020042080
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020042080 A1

TITLE: Methods for the high-resolution identification of solvent-accessible amide hydrogens in protein binding sites

PUBLICATION-DATE: April 11, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Woods, Virgil L. JR.	San Diego	CA	US	

US-CL-CURRENT: 435/7.1; 435/24, 436/518

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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58. Document ID: US 20020035108 A1

L2: Entry 58 of 171

File: PGPB

Mar 21, 2002

PGPUB-DOCUMENT-NUMBER: 20020035108
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020035108 A1

TITLE: Method for treating allergies

PUBLICATION-DATE: March 21, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Gu, Yin	San Diego	CA	US	
Karlsson, Lars	La Jolla	CA	US	
Sun, Siguan	San Diego	CA	US	
Thurmond, Robin L.	San Diego	CA	US	

US-CL-CURRENT: 514/237.2; 514/255.01, 514/519

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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59. Document ID: US 20020028465 A1

L2: Entry 59 of 171

File: PGPB

Mar 7, 2002

PGPUB-DOCUMENT-NUMBER: 20020028465
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020028465 A1

TITLE: Novel molecules of the NBS/LRR protein family and uses thereof

PUBLICATION-DATE: March 7, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bertin, John	Watertown	MA	US	

US-CL-CURRENT: 435/7.1; 435/252.3, 435/325, 435/69.1, 435/91.1, 530/350, 530/387.1, 536/23.1, 536/23.4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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60. Document ID: US 20020028435 A1

L2: Entry 60 of 171

File: PGPB

Mar 7, 2002

PGPUB-DOCUMENT-NUMBER: 20020028435
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020028435 A1

TITLE: Method of monitoring the effect of cathepsin s inhibitors

PUBLICATION-DATE: March 7, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Thurmond, Robin	San Diego	CA	US	
Sun, Siqun	San Diego	CA	US	
Karlsson, Lars	La Jolla	CA	US	

US-CL-CURRENT: 435/4; 435/7.21

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachment
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61. Document ID: US 20020025537 A1

L2: Entry 61 of 171

File: PGPB

Feb 28, 2002

PGPUB-DOCUMENT-NUMBER: 20020025537
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020025537 A1

TITLE: High-throughput methods for generating and screening compounds that affect cell viability

PUBLICATION-DATE: February 28, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bylina, Edward J.	San Diego	CA	US	
Coleman, William J.	San Diego	CA	US	
Youvan, Douglas C.	San Diego	CA	US	

US-CL-CURRENT: 435/7.1; 435/29, 435/6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachment
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62. Document ID: US 20020004073 A1

L2: Entry 62 of 171

File: PGPB

Jan 10, 2002

PGPUB-DOCUMENT-NUMBER: 20020004073
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020004073 A1

TITLE: Dietary supplement combining colostrum and lactoferrin in a mucosal delivery format

PUBLICATION-DATE: January 10, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Gohlke, Marcus B.	Houston	TX	US	
Cockrum, Richard H.	Perry	IA	US	

US-CL-CURRENT: 424/535; 514/2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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63. Document ID: US 20010046487 A1

L2: Entry 63 of 171

File: PGPB

Nov 29, 2001

PGPUB-DOCUMENT-NUMBER: 20010046487
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20010046487 A1

TITLE: Methods for loading platelets, stabilizing platelets for dry storage and compositions obtained thereby

PUBLICATION-DATE: November 29, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Roser, Bruce J.	Cambridge		GB	
Vos, Diana de	Cambridgeshire		GB	

US-CL-CURRENT: 424/93.7; 435/372, 514/53

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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64. Document ID: US 20010041700 A1

L2: Entry 64 of 171

File: PGPB

Nov 15, 2001

PGPUB-DOCUMENT-NUMBER: 20010041700
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20010041700 A1

TITLE: Novel succinate derivative compounds useful as cysteine protease inhibitors

PUBLICATION-DATE: November 15, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bekkali, Younes	Danbury	CT	US	
Betageri, Rajashehar	Bethel	CT	US	
Emmanuel, Michel Jose	Danbury	CT	US	
Hickey, Eugene Richard	Danbury	CT	US	
Liu, Weimin	Shelton	CT	US	
Patel, Usha R.	Brookfield	CT	US	
Spero, Denise Mary	West Redding	CT	US	
Thomson, David S.	Ridgefield	CT	US	
Ward, Yancey David	Sandy Hook	CT	US	
Young, Erick Richard Roush	Danbury	CT	US	

US-CL-CURRENT: 514/224.8; 514/227.5, 514/229.8, 514/237.8, 514/247, 514/250,
514/251, 514/252.1, 514/256, 514/263.1, 514/266.1, 514/307, 514/311, 514/407,
514/411, 514/415, 514/416, 514/519

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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65. Document ID: US 20010009681 A1

L2: Entry 65 of 171

File: PGPB

Jul 26, 2001

PGPUB-DOCUMENT-NUMBER: 20010009681
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20010009681 A1

TITLE: Methods of use for dietary compositions comprising lactoferrin and colostrum

PUBLICATION-DATE: July 26, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Gohlke, Marcus B.	Houston	TX	US	
Cockrum, Richard H.	Perry	IA	US	

US-CL-CURRENT: 424/535

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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66. Document ID: US 6562343 B1

L2: Entry 66 of 171

File: USPT

May 13, 2003

US-PAT-NO: 6562343
DOCUMENT-IDENTIFIER: US 6562343 B1

TITLE: Compositions and methods for the treatment and diagnosis of immune disorders

DATE-ISSUED: May 13, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Levinson; Douglas Adam	Sherborn	MA		

US-CL-CURRENT: 424/139.1; 424/130.1, 424/133.1, 424/134.1, 424/138.1, 424/141.1,
424/143.1, 424/178.1, 424/183.1, 435/8, 530/300, 530/350, 536/22.1, 536/23.1,
536/23.4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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67. Document ID: US 6548265 B2

L2: Entry 67 of 171

File: USPT

Apr 15, 2003

US-PAT-NO: 6548265
DOCUMENT-IDENTIFIER: US 6548265 B2

TITLE: Treatment or prophylaxis of diseases caused by pilus-forming bacteria

DATE-ISSUED: April 15, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hultgren; Scott	Ballwin	MO		
Kuehn; Meta	Berkeley	CA		
Xu; Zheng	Blue Bell	PA		
Ogg; Derek	Uppsala			SE
Harris; Mark	Uppsala			SE
Lepisto; Matti	Lund			SE
Jones; Charles Hal	Saint Louis	MO		
Kihlberg; Jan	Dalby			SE

US-CL-CURRENT: 435/7.37; 424/184.1, 424/234.1, 424/241.1, 424/242.1, 435/243,
435/252.8, 435/7.32

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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68. Document ID: US 6541452 B1

L2: Entry 68 of 171

File: USPT

Apr 1, 2003

US-PAT-NO: 6541452

DOCUMENT-IDENTIFIER: US 6541452 B1

TITLE: Brain-associated inhibitor of tissue-type plasminogen activator

DATE-ISSUED: April 1, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hastings; Gregg A.	Thousand Oaks	CA		
Coleman; Timothy A.	Gaithersburg	MD		
Lawrence; Daniel A.	Derwood	MD		
Dillon; Patrick J.	Carlsbad	CA		

US-CL-CURRENT: 514/12; 514/2, 530/350

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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69. Document ID: US 6528619 B1

L2: Entry 69 of 171

File: USPT

Mar 4, 2003

US-PAT-NO: 6528619

DOCUMENT-IDENTIFIER: US 6528619 B1

TITLE: Inhibitors for urokinase receptor

DATE-ISSUED: March 4, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Burgle; Markus	Munchen			DE
Graeff; Heinrich	Munchen			DE
Kessler; Horst	Schwalbach			DE
Magdolen; Viktor	Kirchheim			DE
Konig; Bernhard	Berg			DE
Koppitz; Marcus	Berlin			DE
Riemer; Christoph	Munchen			DE
Schmitt; Manfred	Munchen			DE
Weidle; Ulrich	Munchen			DE

US-CL-CURRENT: 530/327; 530/328

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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70. Document ID: US 6525052 B2

L2: Entry 70 of 171

File: USPT

Feb 25, 2003

US-PAT-NO: 6525052

DOCUMENT-IDENTIFIER: US 6525052 B2

TITLE: Compounds useful as reversible inhibitors of cysteine proteases

DATE-ISSUED: February 25, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bekkali; Younes	Danbury	CT		
Hickey; Eugene R.	Danbury	CT		
Liu; Weimin	Shelton	CT		
Patel; Usha R.	Brookfield	CT		
Spero; Denise M.	West Redding	CT		
Sun; Sanxing	Danbury	CT		
Thomson; David S.	Ridgefield	CT		
Ward; Yancey D.	Sandy Hook	CT		
Young; Erick R. R.	Danbury	CT		

US-CL-CURRENT: 514/237.2; 514/326, 544/119, 544/121, 544/124, 544/129, 546/208

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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71. Document ID: US 6515106 B1

L2: Entry 71 of 171

File: USPT

Feb 4, 2003

US-PAT-NO: 6515106

DOCUMENT-IDENTIFIER: US 6515106 B1

TITLE: Lysozyme-analogous polypeptides with an anti-microbial effect, their production and use

DATE-ISSUED: February 4, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
During; Klaus	Frechen			DE

US-CL-CURRENT: 530/350; 435/206, 435/440, 536/23.1, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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72. Document ID: US 6514942 B1

L2: Entry 72 of 171

File: USPT

Feb 4, 2003

US-PAT-NO: 6514942

DOCUMENT-IDENTIFIER: US 6514942 B1

TITLE: Methods and compositions for stimulating T-lymphocytes

DATE-ISSUED: February 4, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ioannides; Constantin G.	Houston	TX		
Fisk; Bryan A.	Houston	TX		
Ioannides; Maria G.	Athens			GR

US-CL-CURRENT: 514/15; 530/328

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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73. Document ID: US 6475511 B2

L2: Entry 73 of 171

File: USPT

Nov 5, 2002

US-PAT-NO: 6475511

DOCUMENT-IDENTIFIER: US 6475511 B2

TITLE: Dietary supplement combining colostrum and lactoferrin in a mucosal delivery format

DATE-ISSUED: November 5, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gohlke; Marcus B.	Houston	TX		
Cockrum; Richard H.	Perry	IA		

US-CL-CURRENT: 424/441; 424/440, 424/464, 424/535, 424/736

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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74. Document ID: US 6472369 B1

L2: Entry 74 of 171

File: USPT

Oct 29, 2002

US-PAT-NO: 6472369

DOCUMENT-IDENTIFIER: US 6472369 B1

TITLE: Anticancer compounds and methods

DATE-ISSUED: October 29, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Livant; Donna	Ann Arbor	MI		

US-CL-CURRENT: 514/9; 514/17, 530/330, 930/21

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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75. Document ID: US 6465235 B1

L2: Entry 75 of 171

File: USPT

Oct 15, 2002

US-PAT-NO: 6465235

DOCUMENT-IDENTIFIER: US 6465235 B1

TITLE: Non-human carbonyl hydrolase mutants, DNA sequences and vectors encoding same and hosts transformed with said vectors

DATE-ISSUED: October 15, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bott; Richard Ray	Burlingame	CA		
Caldwell; Robert Mark	San Carlos	CA		
Cunningham; Brian C.	Piedmont	CA		
Estell; David Aaron	San Mateo	CA		
Power; Scott Douglas	San Bruno	CA		
Wells; James Allen	Burlingame	CA		

US-CL-CURRENT: 435/220; 435/221, 435/222, 435/252.31, 435/320.1, 435/471, 435/69.1, 510/300, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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76. Document ID: US 6455685 B1

L2: Entry 76 of 171

File: USPT

Sep 24, 2002

US-PAT-NO: 6455685

DOCUMENT-IDENTIFIER: US 6455685 B1

TITLE: Compositions and methods for the treatment and diagnosis of immune disorders

DATE-ISSUED: September 24, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Levinson; Douglas Adam	Sherborn	MA		

US-CL-CURRENT: 536/23.4; 435/8, 536/22.1, 536/23.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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77. Document ID: US 6420364 B1

L2: Entry 77 of 171

File: USPT

Jul 16, 2002

US-PAT-NO: 6420364

DOCUMENT-IDENTIFIER: US 6420364 B1

**** See image for Certificate of Correction ****

TITLE: Compound useful as reversible inhibitors of cysteine proteases

DATE-ISSUED: July 16, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Emmanuel; Michel Jose	Danbury	CT		
Frye; Leah L.	Patterson	NY		
Hickey; Eugene R.	Danbury	CT		
Liu; Weimin	Shelton	CT		
Morwick; Tina Marie	New Milford	CT		
Spero; Denice Mary	West Redding	CT		
Sun; Sanxing	Danbury	CT		
Thomson; David S.	Ridgefield	CT		
Ward; Yancey David	Sandy Hook	CT		
Young; Erick Richard Roush	Danbury	CT		

US-CL-CURRENT: 514/231.5; 514/252.13, 514/428, 544/129, 544/141, 544/405, 544/60, 548/579

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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78. Document ID: US 6414117 B1

L2: Entry 78 of 171

File: USPT

Jul 2, 2002

US-PAT-NO: 6414117

DOCUMENT-IDENTIFIER: US 6414117 B1

TITLE: Compositions and methods for the treatment and diagnosis of immune disorders

DATE-ISSUED: July 2, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Levinson; Douglas Adam	Sherborn	MA		

US-CL-CURRENT: 530/350; 424/184.1, 424/185.1, 424/192.1, 435/41, 435/69.1, 435/69.3, 435/69.7, 435/70.1, 435/71.1, 530/300, 536/22.1, 536/23.1, 536/23.4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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79. Document ID: US 6410058 B1

L2: Entry 79 of 171

File: USPT

Jun 25, 2002

US-PAT-NO: 6410058

DOCUMENT-IDENTIFIER: US 6410058 B1

TITLE: Methods of use for dietary compositions comprising lactoferrin and colostrum

DATE-ISSUED: June 25, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gohlke; Marcus B.	Houston	TX	77089	
Cockrum; Richard H.	Perry	IA	50220	

US-CL-CURRENT: 424/535; 424/440, 424/441, 424/464, 424/736

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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80. Document ID: US 6407062 B1

L2: Entry 80 of 171

File: USPT

Jun 18, 2002

US-PAT-NO: 6407062

DOCUMENT-IDENTIFIER: US 6407062 B1

**** See image for Certificate of Correction ****

TITLE: ARF-P19, a novel regulator of the mammalian cell cycle

DATE-ISSUED: June 18, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sherr; Charles J.	Memphis	TN		
Quelle; Dawn	Coralville	IA		
Roussel; Martine F.	Memphis	TN		
Zindy; Frederique	Memphis	TN		
Weber; Jason D.	Memphis	TN		

US-CL-CURRENT: 514/12; 530/300, 530/324, 530/325, 530/326, 530/327, 530/328, 530/329, 530/330, 530/350

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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81. Document ID: US 6395897 B1

L2: Entry 81 of 171

File: USPT

May 28, 2002

US-PAT-NO: 6395897

DOCUMENT-IDENTIFIER: US 6395897 B1

**** See image for Certificate of Correction ****

TITLE: Nitrile compounds useful as reversible inhibitors of #9 cathepsin 5

DATE-ISSUED: May 28, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cywin; Charles L.	Bethel	CT		
Emmanuel; Michel J.	Danbury	CT		
Frye; Leah L.	Portland	OR		
Spero; Denise M.	West Redding	CT		
Thomson; David S.	Ridgefield	CT		
Ward; Yancey D.	Sandy Hook	CT		

US-CL-CURRENT: 544/163; 544/122, 544/123, 544/138, 544/139, 558/389

Full	Title	Citation	Front	Reexam	Classification	Date	Reference	Sequences	Attachment
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82. Document ID: US 6395267 B1

L2: Entry 82 of 171

File: USPT

May 28, 2002

US-PAT-NO: 6395267

DOCUMENT-IDENTIFIER: US 6395267 B1

TITLE: TNF receptor action modulation

DATE-ISSUED: May 28, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wallach; David	Rehovot			IL
Brakebusch; Cord	Braunschweig			DE

US-CL-CURRENT: 424/85.1; 435/7.1, 530/351

Full	Title	Citation	Front	Reexam	Classification	Date	Reference	Sequences	Attachment
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83. Document ID: US 6372955 B1

L2: Entry 83 of 171

File: USPT

Apr 16, 2002

US-PAT-NO: 6372955

DOCUMENT-IDENTIFIER: US 6372955 B1

TITLE: Methods for Producing B cells and antibodies from H2-O modified transgenic mice

DATE-ISSUED: April 16, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Karlsson; Lars	La Jolla	CA		
Leung; Wai-Ping	San Diego	CA		
Peterson; Per A.	Rancho Santa Fe	CA		
Alfonso; Christopher	San Diego	CA		

US-CL-CURRENT: 800/4; 800/13, 800/14, 800/18, 800/5, 800/6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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84. Document ID: US 6369032 B1

L2: Entry 84 of 171

File: USPT

Apr 9, 2002

US-PAT-NO: 6369032

DOCUMENT-IDENTIFIER: US 6369032 B1

TITLE: Method for treating allergies

DATE-ISSUED: April 9, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gu; Yin	San Diego	CA		
Karlsson; Lars	La Jolla	CA		
Sun; Siquan	San Diego	CA		
Thurmond; Robin L.	San Diego	CA		

US-CL-CURRENT: 514/12; 514/19, 514/237.2, 514/252.1, 514/588, 514/600

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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85. Document ID: US 6348214 B1

L2: Entry 85 of 171

File: USPT

Feb 19, 2002

US-PAT-NO: 6348214

DOCUMENT-IDENTIFIER: US 6348214 B1

TITLE: Materials and methods for making improved liposome compositions

DATE-ISSUED: February 19, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Onyuksel; Hayat	Western Springs	IL		
Rubinstein; Israel	Highland Park	IL		

US-CL-CURRENT: 424/450; 264/4.1, 264/4.3, 264/4.6, 514/2, 514/21

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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86. Document ID: US 6342220 B1

L2: Entry 86 of 171

File: USPT

Jan 29, 2002

US-PAT-NO: 6342220

DOCUMENT-IDENTIFIER: US 6342220 B1

TITLE: Agonist antibodies

DATE-ISSUED: January 29, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Adams; Camellia W.	Mountain View	CA		
Carter; Paul J.	San Francisco	CA		
Fendly; Brian M.	Half Moon Bay	CA		
Gurney; Austin L.	Belmont	CA		

US-CL-CURRENT: 424/153.1; 424/133.1, 424/135.1, 530/387.1, 530/388.7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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87. Document ID: US 6335017 B1

L2: Entry 87 of 171

File: USPT

Jan 1, 2002

US-PAT-NO: 6335017

DOCUMENT-IDENTIFIER: US 6335017 B1

TITLE: Compositions and methods for treating viral infections

DATE-ISSUED: January 1, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gelder; Frank B.	Shreveport	LA		

US-CL-CURRENT: 424/208.1; 424/188.1, 530/300

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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88. Document ID: US 6331409 B1

L2: Entry 88 of 171

File: USPT

Dec 18, 2001

US-PAT-NO: 6331409

DOCUMENT-IDENTIFIER: US 6331409 B1

TITLE: Methods and compositions for wound healing

DATE-ISSUED: December 18, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Livant; Donna L.	Ann Arbor	MI		

US-CL-CURRENT: 435/29; 435/23, 435/24, 435/4, 530/300, 530/330, 530/350

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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89. Document ID: US 6313117 B1

L2: Entry 89 of 171

File: USPT

Nov 6, 2001

US-PAT-NO: 6313117

DOCUMENT-IDENTIFIER: US 6313117 B1

TITLE: Succinate derivative compounds useful as cysteine protease inhibitors

DATE-ISSUED: November 6, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bekkali; Younes	Danbury	CT		
Betageri; Rajashehar	Bethel	CT		
Emmanuel; Michel Jose	Danbury	CT		
Hickey; Eugene Richard	Danbury	CT		
Liu; Weimin	Shelton	CT		
Patel; Usha R.	Brookfield	CT		
Spero; Denise Mary	West Redding	CT		
Thomson; David S.	Ridgefield	CT		
Ward; Yancey David	Sandy Hook	CT		
Young; Erick Richard Roush	Danbury	CT		
Sun; Sanxing	Danbury	CT		

US-CL-CURRENT: 514/235.5; 544/130, 544/141, 544/143, 544/163, 548/309.7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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90. Document ID: US 6291189 B1

L2: Entry 90 of 171

File: USPT

Sep 18, 2001

US-PAT-NO: 6291189

DOCUMENT-IDENTIFIER: US 6291189 B1

TITLE: Methods for the high-resolution identification of solvent-accessible amide hydrogens in polypeptides or proteins and for characterization of the fine structure of protein binding sites

DATE-ISSUED: September 18, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Woods, Jr.; Virgil L.	San Diego	CA		

US-CL-CURRENT: 435/7.1; 435/23, 435/24, 436/161, 436/173, 436/174, 436/175, 436/501, 436/536, 436/57, 436/86, 436/89

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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91. Document ID: US 6288218 B1

L2: Entry 91 of 171

File: USPT

Sep 11, 2001

US-PAT-NO: 6288218

DOCUMENT-IDENTIFIER: US 6288218 B1

TITLE: Compositions and methods for the treatment and diagnosis of immune disorders

DATE-ISSUED: September 11, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Levinson; Douglas Adam	Sherborn	MA	01770	

US-CL-CURRENT: 536/23.4; 435/6, 435/8, 536/22.1, 536/23.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachment
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92. Document ID: US 6280729 B1

L2: Entry 92 of 171

File: USPT

Aug 28, 2001

US-PAT-NO: 6280729

DOCUMENT-IDENTIFIER: US 6280729 B1

TITLE: Preparation of factor IX

DATE-ISSUED: August 28, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Huang; Chin C.	Bourbonnais	IL		
Enkoji; Takashi	Park Forest	IL		
Ho; Laura	Bourbonnais	IL		
Kleszynski; Richard R.	St. Anne	IL		
Weeks; Richard L.	Kankakee	IL		
Feldman; Fred	Frankfort	IL		

US-CL-CURRENT: 424/94.64; 514/8

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachment
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93. Document ID: US 6274718 B1

L2: Entry 93 of 171

File: USPT

Aug 14, 2001

US-PAT-NO: 6274718

DOCUMENT-IDENTIFIER: US 6274718 B1

TITLE: Porphyromonas gingivalis arginine-specific proteinase coding sequences

DATE-ISSUED: August 14, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Travis; James	Athens	GA		
Potempa; Jan Stanislaw	Athens	GA		
Barr; Philip J.	Berkeley	CA		
Pavloff; Nadine	Novato	CA		

US-CL-CURRENT: 536/23.2; 435/220

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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94. Document ID: US 6258599 B1

L2: Entry 94 of 171

File: USPT

Jul 10, 2001

US-PAT-NO: 6258599

DOCUMENT-IDENTIFIER: US 6258599 B1

TITLE: Compositions and methods for treating viral infections

DATE-ISSUED: July 10, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gelder; Frank B.	Shreveport	LA		

US-CL-CURRENT: 435/339.1; 435/5, 435/6, 435/7.1, 530/324, 530/325, 530/326, 530/388.35, 530/389.4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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95. Document ID: US 6258383 B1

L2: Entry 95 of 171

File: USPT

Jul 10, 2001

US-PAT-NO: 6258383

DOCUMENT-IDENTIFIER: US 6258383 B1

TITLE: Dietary supplement combining colostrum and lactoferrin in a mucosal delivery format

DATE-ISSUED: July 10, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gohlke; Marcus B.	Houston	TX		
Cockrum; Richard H.	Perry	IA		

US-CL-CURRENT: 424/535; 424/440, 424/441, 424/48, 424/736, 514/54

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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96. Document ID: US 6204371 B1

L2: Entry 96 of 171

File: USPT

Mar 20, 2001

US-PAT-NO: 6204371

DOCUMENT-IDENTIFIER: US 6204371 B1

TITLE: Compositions and methods for the treatment and diagnosis of immune disorders

DATE-ISSUED: March 20, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Levinson; Douglas Adam	Sherborn	MA		

US-CL-CURRENT: 536/23.4; 435/8, 536/22.1, 536/23.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachment
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97. Document ID: US 6197333 B1

L2: Entry 97 of 171

File: USPT

Mar 6, 2001

US-PAT-NO: 6197333

DOCUMENT-IDENTIFIER: US 6197333 B1

TITLE: Materials and methods for making improved liposome compositions

DATE-ISSUED: March 6, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Onyuksel; Hayat	Western Springs	IL		
Rubinstein; Israel	Highland Park	IL		

US-CL-CURRENT: 424/450; 424/401

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachment
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98. Document ID: US 6191260 B1

L2: Entry 98 of 171

File: USPT

Feb 20, 2001

US-PAT-NO: 6191260

DOCUMENT-IDENTIFIER: US 6191260 B1

TITLE: Brain-associated inhibitor of tissue-type plasminogen activator

DATE-ISSUED: February 20, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hastings; Gregg A.	Thousand Oaks	CA		
Coleman; Timothy A.	Gaithersburg	MD		
Lawrence; Daniel A.	Derwood	MD		
Dillon; Patrick J.	Carlsbad	CA		

US-CL-CURRENT: 530/350; 435/212, 530/324, 530/325, 530/326, 530/387.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachment
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99. Document ID: US 6191105 B1

L2: Entry 99 of 171

File: USPT

Feb 20, 2001

US-PAT-NO: 6191105

DOCUMENT-IDENTIFIER: US 6191105 B1

**** See image for Certificate of Correction ****

TITLE: Hydrophilic and lipophilic balanced microemulsion formulations of free-form and/or conjugation-stabilized therapeutic agents such as insulin

DATE-ISSUED: February 20, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ekwuribe; Nnochiri Nkem	Cary	NC		
Ramaswamy; Muthukumar	Cary	NC		
Radhakrishnan; Balasingam	Chapel Hill	NC		
Allaudeen; HameedSulthan S.	Durham	NC		

US-CL-CURRENT: 514/3; 424/400, 424/455, 514/2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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100. Document ID: US 6171586 B1

L2: Entry 100 of 171

File: USPT

Jan 9, 2001

US-PAT-NO: 6171586

DOCUMENT-IDENTIFIER: US 6171586 B1

TITLE: Antibody formulation

DATE-ISSUED: January 9, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lam; Xanthe M.	San Francisco	CA		
Oeswein; James Q.	Moss Beach	CA		
Ongpipattanakul; Boonsri	Bangkok			TH
Shahrokh; Zahra	San Francisco	CA		
Wang; Sharon X.	San Mateo	CA		
Weissburg; Robert P.	Greenville	DE		
Wong; Rita L.	San Mateo	CA		

US-CL-CURRENT: 424/130.1; 424/141.1, 424/152.1, 424/154.1, 424/173.1, 530/388.75

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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101. Document ID: US 6159732 A

L2: Entry 101 of 171

File: USPT

Dec 12, 2000

US-PAT-NO: 6159732

DOCUMENT-IDENTIFIER: US 6159732 A

TITLE: Nucleic acid encoding mammalian Ubr1

DATE-ISSUED: December 12, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Varshavsky; Alexander	La Canada Flintridge	CA		
Kwon; Yong Tae	Pasadena	CA		

US-CL-CURRENT: 435/325; 435/252.3, 435/6, 536/23.1, 536/24.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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102. Document ID: US 6156887 A

L2: Entry 102 of 171

File: USPT

Dec 5, 2000

US-PAT-NO: 6156887

DOCUMENT-IDENTIFIER: US 6156887 A

TITLE: Compositions and methods for the treatment and diagnosis of immune disorders

DATE-ISSUED: December 5, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Levinson; Douglas Adam	Sherborn	MA		

US-CL-CURRENT: 536/23.4; 424/184.1, 435/183, 435/212, 435/7.8, 530/350, 536/22.1, 536/23.1, 536/23.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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103. Document ID: US 6140068 A

L2: Entry 103 of 171

File: USPT

Oct 31, 2000

US-PAT-NO: 6140068

DOCUMENT-IDENTIFIER: US 6140068 A

TITLE: Protease resistant compositions for wound healing

DATE-ISSUED: October 31, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Livant; Donna L.	Ann Arbor	MI		

US-CL-CURRENT: 435/29; 435/23, 435/24, 435/4, 530/300, 530/330, 530/350

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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104. Document ID: US 6100042 A

L2: Entry 104 of 171

File: USPT

Aug 8, 2000

US-PAT-NO: 6100042

DOCUMENT-IDENTIFIER: US 6100042 A

TITLE: Yeast cells engineered to produce pheromone system protein surrogates, and uses therefor

DATE-ISSUED: August 8, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fowlkes; Dana Merriman	New York	NY		
Broach; Jim	New York	NY		
Manfredi; John	New York	NY		
Klein; Christine	New York	NY		
Murphy; Andrew J.	Montclair	NJ		
Paul; Jeremy	Palisades	NY		
Trueheart; Joshua	South Nyack	NY		

US-CL-CURRENT: [435/7.1](#); [435/252.3](#), [435/483](#), [435/6](#)

Full	Title	Citation	Front	Renewal	Classification	Date	Reference	Sequences	Attachments
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105. Document ID: US 6084083 A

L2: Entry 105 of 171

File: USPT

Jul 4, 2000

US-PAT-NO: 6084083

DOCUMENT-IDENTIFIER: US 6084083 A

TITLE: Compositions and methods for the treatment and diagnosis of immune disorders

DATE-ISSUED: July 4, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Levinson; Douglas Adam	Sherborn	MA		

US-CL-CURRENT: [536/23.4](#); [435/8](#), [536/22.1](#), [536/23.1](#)

Full	Title	Citation	Front	Renewal	Classification	Date	Reference	Sequences	Attachments
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106. Document ID: US 6063909 A

L2: Entry 106 of 171

File: USPT

May 16, 2000

US-PAT-NO: 6063909

DOCUMENT-IDENTIFIER: US 6063909 A

**** See image for Certificate of Correction ****

TITLE: Preparation of factor IX

DATE-ISSUED: May 16, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Huang; Chin C.	Bourbonnais	IL		
Takashi; Enkoji	Park Forest	IL		
Ho; Laura	Bourbonnais	IL		
Kleszynski; Richard R.	St. Anne	IL		
Weeks; Richard L.	Kankakee	IL		
Feldman; Fred	Frankfort	IL		

US-CL-CURRENT: 530/412; 530/381, 530/412

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments
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107. Document ID: US 6043347 A

L2: Entry 107 of 171

File: USPT

Mar 28, 2000

US-PAT-NO: 6043347

DOCUMENT-IDENTIFIER: US 6043347 A

TITLE: Compositions and methods for treating viral infections

DATE-ISSUED: March 28, 2000

INVENTOR- INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gelder; Frank B.	Shreveport	LA		

US-CL-CURRENT: 530/388.35; 435/5, 530/324, 530/325, 530/326, 530/389.4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments
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108. Document ID: US 6043215 A

L2: Entry 108 of 171

File: USPT

Mar 28, 2000

US-PAT-NO: 6043215

DOCUMENT-IDENTIFIER: US 6043215 A

**** See image for Certificate of Correction ****

TITLE: Preparation of factor IX

DATE-ISSUED: March 28, 2000

INVENTOR- INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Huang; Chin C.	Bourbonnais	IL		
Enkoji; Takashi	Park Forest	IL		
Ho; Laura	Bourbonnais	IL		
Kleszynski; Richard R.	St. Anne	IL		
Weeks; Richard L.	Kankakee	IL		
Feldman; Fred	Frankford	IL		

US-CL-CURRENT: 514/8; 514/381

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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109. Document ID: US 6027935 A

L2: Entry 109 of 171

File: USPT

Feb 22, 2000

US-PAT-NO: 6027935

DOCUMENT-IDENTIFIER: US 6027935 A

TITLE: Gene up-regulated in regenerating liver

DATE-ISSUED: February 22, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Purchio; Anthony F.	Solana Beach	CA		
New; Liguio	San Diego	CA		
Liu; Kang	San Diego	CA		
Kamali; Vafa	San Diego	CA		
Naughton; Brian	El Cajon	CA		

US-CL-CURRENT: 435/325; 424/93.21, 435/320.1, 435/455, 435/69.1, 435/91.2, 514/44,
536/23.5, 536/24.31

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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110. Document ID: US 6025150 A

L2: Entry 110 of 171

File: USPT

Feb 15, 2000

US-PAT-NO: 6025150

DOCUMENT-IDENTIFIER: US 6025150 A

TITLE: Methods and compositions for wound healing

DATE-ISSUED: February 15, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Livant; Donna L.	Ann Arbor	MN		

US-CL-CURRENT: 435/29; 435/4, 514/2, 514/21, 530/300, 530/323, 530/324, 530/325,
530/326, 530/327, 530/328, 530/329, 530/330, 530/350, 530/382

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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111. Document ID: US 6020169 A

L2: Entry 111 of 171

File: USPT

Feb 1, 2000

US-PAT-NO: 6020169

DOCUMENT-IDENTIFIER: US 6020169 A

** See image for Certificate of Correction **

TITLE: Production of secreted foreign polypeptides in plant cell culture

DATE-ISSUED: February 1, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lee; James M.	Pullman	WA		
Magnuson; Nancy S.	Pullman	WA		
An; Gynheung	Pohang			KR
Reeves; Raymond	Pullman	WA		

US-CL-CURRENT: 435/70.1; 435/419; 435/468; 435/69.1; 435/69.8; 536/23.5; 536/23.53; 536/24.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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112. Document ID: US 6017532 A

L2: Entry 112 of 171

File: USPT

Jan 25, 2000

US-PAT-NO: 6017532

DOCUMENT-IDENTIFIER: US 6017532 A

**** See image for Certificate of Correction ****

TITLE: Porphyromonas gingivalis arginine-specific proteinase

DATE-ISSUED: January 25, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Travis; James	Athens	GA		
Potempa; Jan Stanislaw	Athens	GA		

US-CL-CURRENT: 424/94.65; 435/220

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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113. Document ID: US 6011001 A

L2: Entry 113 of 171

File: USPT

Jan 4, 2000

US-PAT-NO: 6011001

DOCUMENT-IDENTIFIER: US 6011001 A

TITLE: Method of protein therapy by orally administering crosslinked protein crystals

DATE-ISSUED: January 4, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Navia; Manuel A.	Lexington	MA		
St. Clair; Nancy L.	Charlestown	MA		

US-CL-CURRENT: 514/2; 424/94.1; 424/94.6; 424/94.63; 435/109; 435/174; 435/195;

[435/198](#), [435/212](#), [435/218](#), [435/41](#), [435/817](#), [436/518](#), [530/402](#), [530/413](#), [530/810](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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114. Document ID: US 6008020 A

L2: Entry 114 of 171

File: USPT

Dec 28, 1999

US-PAT-NO: 6008020

DOCUMENT-IDENTIFIER: US 6008020 A

TITLE: Brain-associated inhibitor of tissue-type plasminogen activator

DATE-ISSUED: December 28, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hastings; Gregg A.	Thousand Oaks	CA		
Coleman; Timothy A.	Gaithersburg	MD		
Lawrence; Daniel A.	Derwood	MD		
Dillon; Patrick J.	Carlsbad	CA		

US-CL-CURRENT: [435/69.2](#), [435/252.3](#), [435/320.1](#), [435/325](#), [435/69.7](#), [536/23.1](#), [536/23.5](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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115. Document ID: US 6004768 A

L2: Entry 115 of 171

File: USPT

Dec 21, 1999

US-PAT-NO: 6004768

DOCUMENT-IDENTIFIER: US 6004768 A

TITLE: Biosensors, extracorporeal devices and methods for detecting substances using crosslinked protein crystals

DATE-ISSUED: December 21, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Navia; Manuel A.	Lexington	MA		
St. Clair; Nancy L.	Charlestown	MA		

US-CL-CURRENT: [435/18](#), [424/159.1](#), [424/164.1](#), [424/178.1](#), [424/179.1](#), [424/94.1](#), [424/94.6](#), [424/94.63](#), [435/109](#), [435/174](#), [435/19](#), [435/195](#), [435/198](#), [435/212](#), [435/218](#), [435/23](#), [435/287.1](#), [435/287.2](#), [435/289.1](#), [435/41](#), [435/7.1](#), [435/817](#), [436/518](#), [514/2](#), [530/402](#), [530/413](#), [530/810](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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116. Document ID: US 6001965 A

L2: Entry 116 of 171

File: USPT

Dec 14, 1999

US-PAT-NO: 6001965

DOCUMENT-IDENTIFIER: US 6001965 A

TITLE: Anticancer compounds and methods

DATE-ISSUED: December 14, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Livant; Donna L.	Ann Arbor	MI		

US-CL-CURRENT: 530/330; 930/21

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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117. Document ID: US 6001553 A

L2: Entry 117 of 171

File: USPT

Dec 14, 1999

US-PAT-NO: 6001553

DOCUMENT-IDENTIFIER: US 6001553 A

TITLE: Functional expression of mammalian adenylyl cyclase in yeast

DATE-ISSUED: December 14, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Broach; James R.	Princeton	NJ		
Manfredi; John P.	Ossining	NY		
Trueheart; Joshua	Nyack	NY		

US-CL-CURRENT: 435/4; 435/232, 435/252.2, 435/254.21

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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118. Document ID: US 5989850 A

L2: Entry 118 of 171

File: USPT

Nov 23, 1999

US-PAT-NO: 5989850

DOCUMENT-IDENTIFIER: US 5989850 A

TITLE: Methods of testing cancer cells and anticancer drugs

DATE-ISSUED: November 23, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Livant; Donna L.	Ann Arbor	MI		

US-CL-CURRENT: 435/29; 435/4, 435/7.1, 435/7.21

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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119. Document ID: US 5976529 A

L2: Entry 119 of 171

File: USPT

Nov 2, 1999

US-PAT-NO: 5976529

DOCUMENT-IDENTIFIER: US 5976529 A

TITLE: Methods of enzyme therapy by orally administering crosslinked enzyme crystals

DATE-ISSUED: November 2, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Navia; Manuel A.	Lexington	MA		
St. Clair; Nancy L.	Charlestown	MA		

US-CL-CURRENT: 424/94.6; 424/94.1, 424/94.63, 435/109, 435/174, 435/195, 435/198,
435/212, 435/218, 435/41, 435/817, 436/518, 530/402, 530/413, 530/810

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachment
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120. Document ID: US 5972682 A

L2: Entry 120 of 171

File: USPT

Oct 26, 1999

US-PAT-NO: 5972682

DOCUMENT-IDENTIFIER: US 5972682 A

TITLE: Enzymatically active modified subtilisins

DATE-ISSUED: October 26, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bott; Richard Ray	Burlingame	CA		
Caldwell; Robert Mark	San Francisco	CA		
Cunningham; Brian C.	Piedmont	CA		
Estell; David Aaron	Mountain View	CA		
Power; Scott Douglas	San Bruno	CA		
Wells; James Allen	San Mateo	CA		

US-CL-CURRENT: 435/221; 435/220, 435/222, 435/252.31, 435/320.1, 435/69.1, 510/300,
536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachment
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121. Document ID: US 5972680 A

L2: Entry 121 of 171

File: USPT

Oct 26, 1999

US-PAT-NO: 5972680

DOCUMENT-IDENTIFIER: US 5972680 A

TITLE: Glucose transporter vesicle aminopeptidase

DATE-ISSUED: October 26, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Knowles; William J.	Madison	CT		
Guralski; Donna	Oxford	CT		
Letsinger; John T.	West Haven	CT		
Haigh; Wallace	Madison	CT		
Hart; John T.	Wallingford	CT		
Clairmont; Kevin B.	Cheshire	CT		

US-CL-CURRENT: 435/219; 435/212, 435/226, 435/252.3, 435/252.33, 435/320.1, 435/325,
536/23.1, 536/23.2, 536/23.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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122. Document ID: US 5968764 A

L2: Entry 122 of 171

File: USPT

Oct 19, 1999

US-PAT-NO: 5968764

DOCUMENT-IDENTIFIER: US 5968764 A

TITLE: Glucose transporter vesicle aminopeptidase

DATE-ISSUED: October 19, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Knowles; William J.	Madison	CT		
Guralski; Donna	Oxford	CT		
Haigh; Wallace	Madison	CT		
Letsinger; John T.	West Haven	CT		

US-CL-CURRENT: 435/24

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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123. Document ID: US 5962417 A

L2: Entry 123 of 171

File: USPT

Oct 5, 1999

US-PAT-NO: 5962417

DOCUMENT-IDENTIFIER: US 5962417 A

TITLE: Methods of modulating melanin synthesis

DATE-ISSUED: October 5, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gilchrest; Barbara A.	Boston	MA		
Park; Hee-Young	Chelsea	MA		

US-CL-CURRENT: 514/12; 435/196, 514/13, 514/14, 514/15, 514/16, 514/17

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachment
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Full	Citation	Date	Image
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124. Document ID: US 5955340 A

L2: Entry 124 of 171

File: USPT

Sep 21, 1999

US-PAT-NO: 5955340

DOCUMENT-IDENTIFIER: US 5955340 A

TITLE: Modified subtilisins having amino acid alterations

DATE-ISSUED: September 21, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bott; Richard Ray	Burlingame	CA		
Caldwell; Robert Mark	San Francisco	CA		
Cunningham; Brian C.	Piedmont	CA		
Estell; David Aaron	Mountain View	CA		
Power; Scott Douglas	San Bruno	CA		
Wells; James Allen	San Mateo	CA		

US-CL-CURRENT: 435/221; 435/220, 435/222, 435/252.31, 435/320.1, 435/69.1, 510/300, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachment
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Full	Citation	Date	Image
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125. Document ID: US 5932425 A

L2: Entry 125 of 171

File: USPT

Aug 3, 1999

US-PAT-NO: 5932425

DOCUMENT-IDENTIFIER: US 5932425 A

TITLE: Compositions and methods for modulating cellular NF-.kappa.B activation

DATE-ISSUED: August 3, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Alkalay; Irit	Jerusalem			IL
Ben-Neriah; Yinon	Zion			IL
Ciechanover; Aaron	Haifa			IL
Manning; Anthony	San Diego	CA		
Mercurio; Frank	San Diego	CA		
Yaron; Avraham	Jerusalem			IL

US-CL-CURRENT: 435/7.1; 435/4, 514/2, 530/300, 530/326, 530/327, 530/328

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachment
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Full	Citation	Date	Image
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126. Document ID: US 5876951 A

L2: Entry 126 of 171

File: USPT

Mar 2, 1999

US-PAT-NO: 5876951

DOCUMENT-IDENTIFIER: US 5876951 A

TITLE: Yeast cells engineered to produce pheromone system protein surrogates and uses therefor

DATE-ISSUED: March 2, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fowlkes; Dana M.	Chapel Hill	NC		
Broach; Jim	Princeton	NJ		
Manfredi; John	Ossining	NY		
Klein; Christine	Ossining	NY		
Murphy; Andrew J.	Montclair	NJ		
Paul; Jeremy	South Nyack	NY		
Trueheart; Joshua	South Nyack	NY		

US-CL-CURRENT: 435/7.31; 435/254.11, 435/254.2, 435/254.21

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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127. Document ID: US 5861312 A

L2: Entry 127 of 171

File: USPT

Jan 19, 1999

US-PAT-NO: 5861312

DOCUMENT-IDENTIFIER: US 5861312 A

**** See image for Certificate of Correction ****

TITLE: Nucleic acid encoding mammalian UBR1

DATE-ISSUED: January 19, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Varshavsky; Alexander	La Canada Flintridge	CA		
Kwon; Yong Tae	Pasadena	CA		

US-CL-CURRENT: 435/325; 435/252.3, 435/320.1, 536/23.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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128. Document ID: US 5858670 A

L2: Entry 128 of 171

File: USPT

Jan 12, 1999

US-PAT-NO: 5858670

DOCUMENT-IDENTIFIER: US 5858670 A

TITLE: Bio-oligomer libraries and a method of use thereof

DATE-ISSUED: January 12, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lam; Kit Sang	Tucson	AZ		
Salmon; Sydney E.	Tucson	AZ		

US-CL-CURRENT: 435/6; 435/7.1, 435/91.1, 436/501, 530/300, 536/23.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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129. Document ID: US 5849296 A

L2: Entry 129 of 171

File: USPT

Dec 15, 1998

US-PAT-NO: 5849296

DOCUMENT-IDENTIFIER: US 5849296 A

TITLE: Crosslinked protein crystals

DATE-ISSUED: December 15, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Navia; Manuel A.	Lexington	MA		
St. Clair; Nancy L.	Charlestown	MA		

US-CL-CURRENT: 424/178.1; 424/159.1, 424/164.1, 424/179.1, 424/94.1, 424/94.6,
424/94.63, 435/109, 435/174, 435/195, 435/198, 435/212, 435/218, 435/41, 435/817,
436/518, 514/2, 530/402, 530/413, 530/810

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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130. Document ID: US 5840514 A

L2: Entry 130 of 171

File: USPT

Nov 24, 1998

US-PAT-NO: 5840514

DOCUMENT-IDENTIFIER: US 5840514 A

TITLE: Methods of testing cancer and anticancer drugs

DATE-ISSUED: November 24, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Livant; Donna L.	Ann Arbor	MI		

US-CL-CURRENT: 435/29; 435/4, 514/2, 514/21, 530/300, 530/323, 530/324, 530/325,
530/326, 530/327, 530/328, 530/329, 530/330, 530/350, 530/382

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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131. Document ID: US 5837500 A

L2: Entry 131 of 171

File: USPT

Nov 17, 1998

US-PAT-NO: 5837500

DOCUMENT-IDENTIFIER: US 5837500 A

TITLE: Directed evolution of novel binding proteins

DATE-ISSUED: November 17, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ladner; Robert Charles	Ijamsville	MD		
Guttermann; Sonia Kosow	Belmont	MA		
Roberts; Bruce Lindsay	Milford	MA		
Markland; William	Milford	MA		
Ley; Arthur Charles	Newton	MA		
Kent; Rachel Baribault	Boxborough	MA		

US-CL-CURRENT: 435/69.7; 435/471, 435/91.1, 435/91.2, 530/350, 530/412, 536/23.4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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132. Document ID: US 5817641 A

L2: Entry 132 of 171

File: USPT

Oct 6, 1998

US-PAT-NO: 5817641

DOCUMENT-IDENTIFIER: US 5817641 A

**** See image for Certificate of Correction ****

TITLE: Treatment of enterotoxigenic diarrhea with 2-substituted adenosine derivatives

DATE-ISSUED: October 6, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Waldman; Scott A.	Ardmore	PA		
Parkinson; Scott J.	Grimsby			CA

US-CL-CURRENT: 514/46; 514/867, 536/27.63

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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133. Document ID: US 5804445 A

L2: Entry 133 of 171

File: USPT

Sep 8, 1998

US-PAT-NO: 5804445

DOCUMENT-IDENTIFIER: US 5804445 A

TITLE: High affinity mutants of nuclear factor-interleukin 6 and methods of use therefor

DATE-ISSUED: September 8, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Brasier; Allan R.	Galveston	TX		

US-CL-CURRENT: 435/375; 435/243, 435/325, 530/324

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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134. Document ID: US 5804181 A

L2: Entry 134 of 171

File: USPT

Sep 8, 1998

US-PAT-NO: 5804181

DOCUMENT-IDENTIFIER: US 5804181 A

TITLE: Pharmaceutical preparation for the prevention and treatment of blood coagulation disorders

DATE-ISSUED: September 8, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Eibl; Johann	Vienna			AT
Schwarz; Hans Peter	Vienna			AT
Varadi; Katalin	Vienna			AT

US-CL-CURRENT: 424/94.1; 514/2, 514/8

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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135. Document ID: US 5801038 A

L2: Entry 135 of 171

File: USPT

Sep 1, 1998

US-PAT-NO: 5801038

DOCUMENT-IDENTIFIER: US 5801038 A

TITLE: Modified subtilisins having amino acid alterations

DATE-ISSUED: September 1, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bott; Richard Ray	Burlingame	CA		
Caldwell; Robert Mark	San Francisco	CA		
Cunningham; Brian C.	Piedmont	CA		
Estell; David Aaron	Mountain View	CA		
Power; Scott Douglas	San Bruno	CA		
Wells; James Allen	San Mateo	CA		

US-CL-CURRENT: 435/221; 435/220, 435/222, 435/252.31, 435/320.1, 435/69.1, 510/300, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachment
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136. Document ID: US 5795863 A

L2: Entry 136 of 171

File: USPT

Aug 18, 1998

US-PAT-NO: 5795863

DOCUMENT-IDENTIFIER: US 5795863 A

TITLE: Recombinant agents affecting thrombosis

DATE-ISSUED: August 18, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wolf; David	Palo Alto	CA		

US-CL-CURRENT: 514/12; 424/94.64, 435/69.1, 435/69.2, 435/69.6, 514/2, 514/8,
530/384, 530/395

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachment
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137. Document ID: US 5789184 A

L2: Entry 137 of 171

File: USPT

Aug 4, 1998

US-PAT-NO: 5789184

DOCUMENT-IDENTIFIER: US 5789184 A

TITLE: Yeast cells engineered to produce pheromone system protein surrogates, and
uses therefor

DATE-ISSUED: August 4, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fowlkes; Dana M.	Chapel Hill	NC		
Broach; Jim	Princeton	NJ		
Manfredi; John	Ossining	NY		
Klein; Christine	Ossining	NY		
Murphy; Andrew J.	Montclair	NJ		
Paul; Jeremy	South Nyack	NY		
Trueheart; Joshua	South Nyack	NY		

US-CL-CURRENT: 435/7.31; 435/254.11, 435/254.2, 435/254.21, 435/DIG.27, 435/DIG.7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachment
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138. Document ID: US 5763257 A

L2: Entry 138 of 171

File: USPT

Jun 9, 1998

US-PAT-NO: 5763257

DOCUMENT-IDENTIFIER: US 5763257 A

TITLE: Modified subtilisins having amino acid alterations

DATE-ISSUED: June 9, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bott; Richard Ray	Burlingame	CA		
Caldwell; Robert Mark	San Francisco	CA		
Cunningham; Brian C.	Piedmont	CA		
Estell; David Aaron	Mountain View	CA		
Power; Scott Douglas	San Bruno	CA		
Wells; James Allen	San Mateo	CA		

US-CL-CURRENT: 435/221; 435/220, 435/222, 435/252.31, 435/320.1, 435/69.1, 510/300, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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139. Document ID: US 5759517 A

L2: Entry 139 of 171

File: USPT

Jun 2, 1998

US-PAT-NO: 5759517

DOCUMENT-IDENTIFIER: US 5759517 A

**** See image for Certificate of Correction ****

TITLE: Hemoglobins as drug delivery agents

DATE-ISSUED: June 2, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Anderson; David C.	San Bruno	CA		
Mathews; Antony James	Louisville	CO		

US-CL-CURRENT: 424/1.69; 424/1.11, 424/1.65, 424/9.1, 530/385

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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140. Document ID: US 5747650 A

L2: Entry 140 of 171

File: USPT

May 5, 1998

US-PAT-NO: 5747650

DOCUMENT-IDENTIFIER: US 5747650 A

TITLE: P53AS protein and antibody therefor

DATE-ISSUED: May 5, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kulesz-Martin; Molly F.	Buffalo	NY		

US-CL-CURRENT: 530/387.7; 530/387.1, 530/388.8, 530/389.1, 530/389.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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141. Document ID: US 5741651 A

L2: Entry 141 of 171

File: USPT

Apr 21, 1998

US-PAT-NO: 5741651

DOCUMENT-IDENTIFIER: US 5741651 A

TITLE: Assays for identifying compounds that bind to the gastrin releasing peptide receptor

DATE-ISSUED: April 21, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Feldman; Richard I.	El Cerritto	CA		
Jenson; James C.	Moraga	CA		

US-CL-CURRENT: 435/7.1; 435/69.1, 530/350, 530/395, 530/412

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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142. Document ID: US 5700676 A

L2: Entry 142 of 171

File: USPT

Dec 23, 1997

US-PAT-NO: 5700676

DOCUMENT-IDENTIFIER: US 5700676 A

TITLE: Modified subtilisins having amino acid alterations

DATE-ISSUED: December 23, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bott; Richard Ray	Burlingame	CA		
Caldwell; Robert Mark	San Francisco	CA		
Cunningham; Brian C.	Piedmont	CA		
Estell; David Aaron	Mountain View	CA		
Power; Scott Douglas	San Bruno	CA		
Wells; James Allen	San Mateo	CA		

US-CL-CURRENT: 435/221; 435/220, 435/222, 435/252.31, 435/320.1, 435/69.1, 510/300, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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143. Document ID: US 5681811 A

L2: Entry 143 of 171

File: USPT

Oct 28, 1997

US-PAT-NO: 5681811

DOCUMENT-IDENTIFIER: US 5681811 A

**** See image for Certificate of Correction ****

TITLE: Conjugation-stabilized therapeutic agent compositions, delivery and diagnostic formulations comprising same, and method of making and using the same

DATE-ISSUED: October 28, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ekwuribe; Nnochiri Nkem	Cary	NC		

US-CL-CURRENT: 514/8

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachment
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144. Document ID: US 5679777 A

L2: Entry 144 of 171

File: USPT

Oct 21, 1997

US-PAT-NO: 5679777

DOCUMENT-IDENTIFIER: US 5679777 A

TITLE: Hemoglobins as drug delivery agents

DATE-ISSUED: October 21, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Anderson; David C.	San Bruno	CA		
Mathews; Antony James	Louisville	CO		

US-CL-CURRENT: 530/385; 424/193.1, 424/194.1, 424/195.11, 530/345

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachment
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145. Document ID: US 5650489 A

L2: Entry 145 of 171

File: USPT

Jul 22, 1997

US-PAT-NO: 5650489

DOCUMENT-IDENTIFIER: US 5650489 A

**** See image for Certificate of Correction ****

TITLE: Random bio-oligomer library, a method of synthesis thereof, and a method of use thereof

DATE-ISSUED: July 22, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lam; Kit Sang	Tucson	AZ		
Salmon; Sydney E.	Tucson	AZ		

US-CL-CURRENT: 530/334; 435/183, 436/544, 436/86, 530/300, 530/333, 530/344,

[530/350](#), [530/806](#), [530/812](#), [530/817](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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146. Document ID: US 5648254 A

L2: Entry 146 of 171

File: USPT

Jul 15, 1997

US-PAT-NO: 5648254

DOCUMENT-IDENTIFIER: US 5648254 A

TITLE: Co-expression in eukaryotic cells

DATE-ISSUED: July 15, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mulvihill; Eileen R.	Seattle	WA		
Kumar; A. Ashok	Flemington	NJ		

US-CL-CURRENT: [435/217](#); [435/254.2](#), [435/352](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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147. Document ID: US 5639726 A

L2: Entry 147 of 171

File: USPT

Jun 17, 1997

US-PAT-NO: 5639726

DOCUMENT-IDENTIFIER: US 5639726 A

**** See image for Certificate of Correction ****

TITLE: Peptide mediated enhancement of thrombolysis methods and compositions

DATE-ISSUED: June 17, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lawrence; Daniel A.	Ann Arbor	MI		
Ginsburg; David	Ann Arbor	MI		
Shore; Joseph D.	Grosse Point Farms	MI		
Fay; William P.	Ann Arbor	MI		
Olson; Steven T.	Chicago	IL		
Francis-Chmura; Ann Marie	Warren	MI		
Eitzman; Daniel T.	Ypsilanti	MI		
Paielli; Dell	Wyandotte	MI		

US-CL-CURRENT: [514/12](#); [514/13](#), [514/14](#), [514/15](#), [514/16](#), [530/324](#), [530/325](#), [530/326](#), [530/327](#), [530/328](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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148. Document ID: US 5618710 A

L2: Entry 148 of 171

File: USPT

Apr 8, 1997

US-PAT-NO: 5618710

DOCUMENT-IDENTIFIER: US 5618710 A

**** See image for Certificate of Correction ****

TITLE: Crosslinked enzyme crystals

DATE-ISSUED: April 8, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Navia; Manuel A.	Lexington	MA		
St. Clair; Nancy L.	Charlestown	MA		

US-CL-CURRENT: 435/174; 424/94.1, 424/94.6, 424/94.63, 435/109, 435/195, 435/198,
435/212, 435/218, 435/41, 435/817, 436/518, 530/413, 530/810

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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149. Document ID: US 5603933 A

L2: Entry 149 of 171

File: USPT

Feb 18, 1997

US-PAT-NO: 5603933

DOCUMENT-IDENTIFIER: US 5603933 A

**** See image for Certificate of Correction ****

TITLE: CD4 peptides for binding to viral envelope proteins

DATE-ISSUED: February 18, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dwyer, IV; Victor A.	Houston	TX		
Sastry; Jagannada K.	Houston	TX		
Arlinghaus; Ralph B.	Bellaire	TX		
Nehete; Pramod N.	Houston	TX		

US-CL-CURRENT: 424/185.1; 435/5, 514/15, 514/16, 514/17, 514/18, 530/328, 530/329,
530/330, 530/402

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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150. Document ID: US 5591831 A

L2: Entry 150 of 171

File: USPT

Jan 7, 1997

US-PAT-NO: 5591831

DOCUMENT-IDENTIFIER: US 5591831 A

TITLE: Solubilization and purification of the active gastrin releasing peptide receptor

DATE-ISSUED: January 7, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Feldman; Richard I.	El Cerrito	CA		
Wu; James M.	El Cerrito	CA		
Mann; Elaina	San Leandro	CA		
Larocca; Anne	San Leandro	CA		
Jenson; James C.	Moraga	CA		

US-CL-CURRENT: 530/395; 435/69.1, 530/350, 530/412

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachment
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DEGRADATIONS.DWPI,TDBD,EPAB,USPT,PGPB.	3617
PROTEOLYSIS.DWPI,TDBD,EPAB,USPT,PGPB.	8679
PROTEOLYSI	0
STABILIZS	0
STABILIZ.DWPI,TDBD,EPAB,USPT,PGPB.	57
STABILIZA.DWPI,TDBD,EPAB,USPT,PGPB.	55
STABILIZAATION.DWPI,TDBD,EPAB,USPT,PGPB.	2
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(STABILIZS SAME PEPTIDE? AND ((INHIBITS OR PREVENTS) SAME ((PROTEIN ADJ DEGRADATION) OR PROTEOLYSIS))).USPT,PGPB,EPAB,DWPI,TDBD.	171

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L13: Entry 1 of 48

File: PGPB

May 8, 2003

PGPUB-DOCUMENT-NUMBER: 20030086919

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030086919 A1

TITLE: Therapeutic agents comprising pro-apoptotic proteins

PUBLICATION-DATE: May 8, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Rosenblum, Michael G.	Houston	TX	US	
Liu, Yuying	Houston	TX	US	

US-CL-CURRENT: 424/94.63; 424/146.1, 424/85.1, 435/226, 435/320.1, 435/325,
435/69.1, 514/12, 530/388.25, 530/388.26, 530/399, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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2. Document ID: US 20030078192 A1

L13: Entry 2 of 48

File: PGPB

Apr 24, 2003

PGPUB-DOCUMENT-NUMBER: 20030078192

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030078192 A1

TITLE: Combinatorial protein domains

PUBLICATION-DATE: April 24, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Winter, Gregory Paul	Cambridge		GB	
Riechmann, Lutz	Cambridge		GB	

US-CL-CURRENT: 514/2; 514/12

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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3. Document ID: US 20030027764 A1

L13: Entry 3 of 48

File: PGPB

Feb 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030027764

PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030027764 A1

TITLE: Novel therapeutic and prophylactic agents and methods of using same

PUBLICATION-DATE: February 6, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Gopalakrishnakone, Ponnampalam	Singapore		SG	
Thwin, Maung-Maung	Singapore		SG	
Jeyaseelan, Kandiah	Melbourne		AU	
Armugam, Arunmozhiarasi	Singapore		SG	

US-CL-CURRENT: 514/12; 435/184, 435/320.1, 435/325, 435/69.2, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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4. Document ID: US 20030027156 A1

L13: Entry 4 of 48

File: PGPB

Feb 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030027156
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030027156 A1

TITLE: Methods and compositions for polypeptide engineering

PUBLICATION-DATE: February 6, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Patten, Phillip A.	Menlo Park	CA	US	
Stemmer, Willem P. C.	Los Gatos	CA	US	

US-CL-CURRENT: 435/6; 435/183, 435/455, 435/69.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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5. Document ID: US 20030013162 A1

L13: Entry 5 of 48

File: PGPB

Jan 16, 2003

PGPUB-DOCUMENT-NUMBER: 20030013162
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030013162 A1

TITLE: Interferon-epsilon

PUBLICATION-DATE: January 16, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Conklin, Darrell C.	Seattle	WA	US	
Grant, Francis J.	Seattle	WA	US	
Rixon, Mark W.	Issaquah	WA	US	
Kindsvogel, Wayne	Seattle	WA	US	

US-CL-CURRENT: 435/69.51; 435/320.1, 435/325, 530/324, 530/351, 530/387.9, 536/23.1, 536/23.52

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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6. Document ID: US 20020169291 A1

L13: Entry 6 of 48

File: PGPB

Nov 14, 2002

PGPUB-DOCUMENT-NUMBER: 20020169291
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020169291 A1

TITLE: Interleukin-18 mutants, their production and use

PUBLICATION-DATE: November 14, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Dinarello, Charles	Boulder	CO	US	
Kim, Soo Hyun	Denver	CO	US	

US-CL-CURRENT: 530/351

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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7. Document ID: US 20020150881 A1

L13: Entry 7 of 48

File: PGPB

Oct 17, 2002

PGPUB-DOCUMENT-NUMBER: 20020150881
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020150881 A1

TITLE: Directed evolution of novel binding proteins

PUBLICATION-DATE: October 17, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ladner, Robert Charles	Ijamsville	MD	US	
Guterman, Sonia Kosow	Belmont	MA	US	
Roberts, Bruce Lindsay	Milford	MA	US	
Markland, William	Milford	MA	US	
Ley, Arthur Charles	Newton	MA	US	
Kent, Rachel Baribault	Boxborough	MA	US	

US-CL-CURRENT: 435/5; 435/235.1, 435/6, 435/7.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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8. Document ID: US 20020142415 A1

L13: Entry 8 of 48

File: PGPB

Oct 3, 2002

PGPUB-DOCUMENT-NUMBER: 20020142415
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020142415 A1

TITLE: Novel polypeptides and polynucleotides and methods of using them

PUBLICATION-DATE: October 3, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Koopman, Peter Anthony	Queensland		AU	
Muscat, George Eugene Orlando	Queensland		AU	

US-CL-CURRENT: 435/183; 435/320.1, 435/325, 435/6, 435/69.1, 530/350, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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9. Document ID: US 20020110851 A1

L13: Entry 9 of 48

File: PGPB

Aug 15, 2002

PGPUB-DOCUMENT-NUMBER: 20020110851
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020110851 A1

TITLE: Novel polypeptides, modulatory agents therefor and methods of using them

PUBLICATION-DATE: August 15, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Verhagen, Anne Marie	Northcote		AU	
Ekert, Paul Gerald	Elsternwick		AU	
Vaux, David Lawrence	Fairfield		AU	

US-CL-CURRENT: 435/69.1; 435/320.1, 435/325, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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10. Document ID: US 20020102604 A1

L13: Entry 10 of 48

File: PGPB

Aug 1, 2002

PGPUB-DOCUMENT-NUMBER: 20020102604
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020102604 A1

TITLE: Full-length human cDNAs encoding potentially secreted proteins

PUBLICATION-DATE: August 1, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Milne Edwards, Jean-Baptiste Dumas	Paris		FR	
Bougueleret, Lydie	Petit Lancy		CH	
Jobert, Severin	Paris		FR	

US-CL-CURRENT: 435/7.1; 530/350, 536/23.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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11. Document ID: US 20020051976 A1

L13: Entry 11 of 48

File: PGPB

May 2, 2002

PGPUB-DOCUMENT-NUMBER: 20020051976

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020051976 A1

TITLE: METHODS AND COMPOSITIONS FOR POLYPEPTIDE ENGINEERING

PUBLICATION-DATE: May 2, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
PATTEN, PHILLIP A.	MOUNTAIN VIEW	CA	US	
STEMMER, WILLEM P.C.	LOS GATOS	CA	US	

US-CL-CURRENT: 435/5; 435/91.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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12. Document ID: US 6562594 B1

L13: Entry 12 of 48

File: USPT

May 13, 2003

US-PAT-NO: 6562594

DOCUMENT-IDENTIFIER: US 6562594 B1

TITLE: Saturation mutagenesis in directed evolution

DATE-ISSUED: May 13, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Short, Jay M.	Rancho Santa Fe	CA		

US-CL-CURRENT: 435/69.1; 435/69.7, 435/7.6, 530/350

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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13. Document ID: US 6544505 B2

L13: Entry 13 of 48

File: USPT

Apr 8, 2003

US-PAT-NO: 6544505

DOCUMENT-IDENTIFIER: US 6544505 B2

TITLE: Interferon-epsilon

DATE-ISSUED: April 8, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Conklin; Darrell C.	Seattle	WA		
Grant; Francis J.	Seattle	WA		
Rixon; Mark W.	Issaquah	WA		
Kindsvogel; Wayne	Seattle	WA		

US-CL-CURRENT: 424/85.4; 424/185.1, 435/69.51, 530/350, 530/351

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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14. Document ID: US 6537776 B1

L13: Entry 14 of 48

File: USPT

Mar 25, 2003

US-PAT-NO: 6537776

DOCUMENT-IDENTIFIER: US 6537776 B1

TITLE: Synthetic ligation reassembly in directed evolution

DATE-ISSUED: March 25, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Short; Jay M.	Encinitas	CA		

US-CL-CURRENT: 435/69.1; 530/350, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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15. Document ID: US 6531576 B1

L13: Entry 15 of 48

File: USPT

Mar 11, 2003

US-PAT-NO: 6531576

DOCUMENT-IDENTIFIER: US 6531576 B1

TITLE: Four-helical bundle protein zsig81

DATE-ISSUED: March 11, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Piddington; Christopher S.	Thousand Oaks	CA		
West; James W.	Seattle	WA		
Holly; Richard D.	Seattle	WA		
Burkhead; Steven K.	Hershey	PA		

US-CL-CURRENT: 530/350

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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16. Document ID: US 6518065 B1

L13: Entry 16 of 48

File: USPT

Feb 11, 2003

US-PAT-NO: 6518065

DOCUMENT-IDENTIFIER: US 6518065 B1

TITLE: Methods for generating polynucleotides having desired characteristics by iterative selection and recombination

DATE-ISSUED: February 11, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Stemmer; Willem P. C.	Los Gatos	CA		

US-CL-CURRENT: 435/440; 435/6, 435/91.2, 536/23.1, 536/24.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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17. Document ID: US 6506603 B1

L13: Entry 17 of 48

File: USPT

Jan 14, 2003

US-PAT-NO: 6506603

DOCUMENT-IDENTIFIER: US 6506603 B1

TITLE: Shuffling polynucleotides by incomplete extension

DATE-ISSUED: January 14, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Stemmer; Willem P. C.	Los Gatos	CA		

US-CL-CURRENT: 435/440; 435/6, 536/23.1, 536/24.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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18. Document ID: US 6506602 B1

L13: Entry 18 of 48

File: USPT

Jan 14, 2003

US-PAT-NO: 6506602

DOCUMENT-IDENTIFIER: US 6506602 B1

TITLE: Methods for generating polynucleotides having desired characteristics by iterative selection and recombination

DATE-ISSUED: January 14, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Stemmer; Willem P. C.	Los Gatos	CA		

US-CL-CURRENT: 435/440; 435/6, 536/23.1, 536/24.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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19. Document ID: US 6479258 B1

L13: Entry 19 of 48

File: USPT

Nov 12, 2002

US-PAT-NO: 6479258

DOCUMENT-IDENTIFIER: US 6479258 B1

TITLE: Non-stochastic generation of genetic vaccines

DATE-ISSUED: November 12, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Short; Jay M.	Rancho Santa Fe	CA		

US-CL-CURRENT: 435/69.1; 530/350, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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20. Document ID: US 6455253 B1

L13: Entry 20 of 48

File: USPT

Sep 24, 2002

US-PAT-NO: 6455253

DOCUMENT-IDENTIFIER: US 6455253 B1

TITLE: Methods and compositions for polypeptide engineering

DATE-ISSUED: September 24, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Patten; Phillip A.	Mountain View	CA		
Stemmer; Willem P. C.	Los Gatos	CA		

US-CL-CURRENT: 435/6; 435/252.3, 435/252.33, 435/320.1, 435/463, 435/471, 435/69.1, 435/91.2, 530/300, 530/350, 536/23.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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21. Document ID: US 6444644 B1

L13: Entry 21 of 48

File: USPT

Sep 3, 2002

US-PAT-NO: 6444644

DOCUMENT-IDENTIFIER: US 6444644 B1

TITLE: Anticoagulant peptide fragments derived from apolipoprotein B-100

DATE-ISSUED: September 3, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	CCOUNTRY
Bruckdorfer; Karl Richard	London			GB
Ettelaie; Camille	London			GB

US-CL-CURRENT: 514/12; 424/185.1, 514/13, 514/14, 514/15, 514/16, 514/2, 530/300, 530/324, 530/325, 530/326, 530/327, 530/328, 530/329, 530/350

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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22. Document ID: US 6428951 B1

L13: Entry 22 of 48

File: USPT

Aug 6, 2002

US-PAT-NO: 6428951

DOCUMENT-IDENTIFIER: US 6428951 B1

TITLE: Protein fragment complementation assays for the detection of biological or drug interactions

DATE-ISSUED: August 6, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Michnick; Stephen William Watson	Westmount			CA
Pelletier; Joelle Nina	Westmount			CA
Remy; Ingrid	Montreal			CA

US-CL-CURRENT: 435/4; 435/6, 530/350, 536/23.2, 536/23.4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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23. Document ID: US 6413774 B1

L13: Entry 23 of 48

File: USPT

Jul 2, 2002

US-PAT-NO: 6413774

DOCUMENT-IDENTIFIER: US 6413774 B1

TITLE: Methods for generating polynucleotides having desired characteristics by iterative selection and recombination

DATE-ISSUED: July 2, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Stemmer; Willem P. C.	Los Gatos	CA		
Cramieri; Andreas M.	Mountain View	CA		

US-CL-CURRENT: 435/440; 435/6, 536/23.1, 536/24.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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24. Document ID: US 6406855 B1

L13: Entry 24 of 48

File: USPT

Jun 18, 2002

US-PAT-NO: 6406855

DOCUMENT-IDENTIFIER: US 6406855 B1

TITLE: Methods and compositions for polypeptide engineering

DATE-ISSUED: June 18, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Patten; Phillip A.	Mountain View	CA		
Stemmer; Willem P. C.	Los Gatos	CA		

US-CL-CURRENT: 435/6; 424/85.2, 424/85.4, 435/196, 435/440, 435/69.1, 435/69.51,
435/69.52, 435/91.1, 436/501, 530/350, 536/23.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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25. Document ID: US 6395547 B1

L13: Entry 25 of 48

File: USPT

May 28, 2002

US-PAT-NO: 6395547

DOCUMENT-IDENTIFIER: US 6395547 B1

TITLE: Methods for generating polynucleotides having desired characteristics by iterative selection and recombination

DATE-ISSUED: May 28, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Stemmer; Willem P. C.	Los Gatos	CA		

US-CL-CURRENT: 435/440; 435/6, 536/23.1, 536/24.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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26. Document ID: US 6380361 B1

L13: Entry 26 of 48

File: USPT

Apr 30, 2002

US-PAT-NO: 6380361

DOCUMENT-IDENTIFIER: US 6380361 B1

TITLE: Educational kit and method containing novel alpha helical protein-34

DATE-ISSUED: April 30, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Conklin; Darrell C.	Seattle	WA		
Taft; David W.	Seattle	WA		

US-CL-CURRENT: 530/350; 435/320.1, 435/6, 536/23.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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27. Document ID: US 6372497 B1

L13: Entry 27 of 48

File: USPT

Apr 16, 2002

US-PAT-NO: 6372497

DOCUMENT-IDENTIFIER: US 6372497 B1

TITLE: Methods for generating polynucleotides having desired characteristics by iterative selection and recombination

DATE-ISSUED: April 16, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Stemmer; Willem P. C.	Los Gatos	CA		

US-CL-CURRENT: 435/440; 536/23.1, 536/24.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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28. Document ID: US 6355484 B1

L13: Entry 28 of 48

File: USPT

Mar 12, 2002

US-PAT-NO: 6355484

DOCUMENT-IDENTIFIER: US 6355484 B1

**** See image for Certificate of Correction ****TITLE: Methods and compositions for polypeptides engineering

DATE-ISSUED: March 12, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Patten; Phillip A.	Mountain View	CA		
Stemmer; Willem P. C.	Los Gatos	CA		

US-CL-CURRENT: 435/440; 435/6, 536/23.1, 536/24.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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29. Document ID: US 6344356 B1

L13: Entry 29 of 48

File: USPT

Feb 5, 2002

US-PAT-NO: 6344356

DOCUMENT-IDENTIFIER: US 6344356 B1

**** See image for Certificate of Correction ****

TITLE: Methods for recombining nucleic acids

DATE-ISSUED: February 5, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Stemmer; Willem P.C.	Los Gatos	CA		

US-CL-CURRENT: 435/440; 536/23.1, 536/24.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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30. Document ID: US 6335160 B1

L13: Entry 30 of 48

File: USPT

Jan 1, 2002

US-PAT-NO: 6335160

DOCUMENT-IDENTIFIER: US 6335160 B1

TITLE: Methods and compositions for polypeptide engineering

DATE-ISSUED: January 1, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Patten; Phillip A.	Mountain View	CA		
Stemmer; Willem P. C.	Los Gatos	CA		

US-CL-CURRENT: 435/6; 435/320.1, 435/440, 435/471, 435/69.1, 435/91.2, 536/23.1, 536/24.3, 536/24.33

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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31. Document ID: US 6331285 B1

L13: Entry 31 of 48

File: USPT

Dec 18, 2001

US-PAT-NO: 6331285

DOCUMENT-IDENTIFIER: US 6331285 B1

TITLE: Structurally determined cyclic metallo-constructs and applications

DATE-ISSUED: December 18, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sharma; Shubh D.	Plainsboro	NJ		

US-CL-CURRENT: 424/1.69; 424/1.11, 424/1.65, 530/300, 530/317, 530/326, 530/333,
530/334

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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32. Document ID: US 6329175 B1

L13: Entry 32 of 48

File: USPT

Dec 11, 2001

US-PAT-NO: 6329175

DOCUMENT-IDENTIFIER: US 6329175 B1

TITLE: Interferon-.epsilon.

DATE-ISSUED: December 11, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Conklin; Darrell C.	Seattle	WA		
Grant; Francis J.	Seattle	WA		
Rixon; Mark W.	Issaquah	WA		
Kindsvogel; Wayne	Seattle	WA		

US-CL-CURRENT: 435/69.51; 435/252.3, 435/254.1, 435/255.1, 435/320.1, 435/325,
435/348, 435/349, 435/410, 530/351, 536/23.52

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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33. Document ID: US 6323177 B1

L13: Entry 33 of 48

File: USPT

Nov 27, 2001

US-PAT-NO: 6323177

DOCUMENT-IDENTIFIER: US 6323177 B1

TITLE: Interaction of reelin with very low density lipoprotein (VLDL) receptor for screening and therapies

DATE-ISSUED: November 27, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Curran; Thomas	Memphis	TN		
D'Arcangelo; Gabriella	Memphis	TN		

US-CL-CURRENT: 514/8; 435/325, 435/348, 435/7.1, 435/7.2, 530/350

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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34. Document ID: US 6323030 B1

L13: Entry 34 of 48

File: USPT

Nov 27, 2001

US-PAT-NO: 6323030

DOCUMENT-IDENTIFIER: US 6323030 B1

TITLE: Methods for generating polynucleotides having desired characteristics by iterative selection and recombination

DATE-ISSUED: November 27, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Stemmer; Willem P. C.	Los Gatos	CA		

US-CL-CURRENT: 435/440; 435/6, 536/23.1, 536/24.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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35. Document ID: US 6319713 B1

L13: Entry 35 of 48

File: USPT

Nov 20, 2001

US-PAT-NO: 6319713

DOCUMENT-IDENTIFIER: US 6319713 B1

TITLE: Methods and compositions for polypeptide engineering

DATE-ISSUED: November 20, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Patten; Phillip A.	Mountain View	CA		
Stemmer; Willem P. C.	Los Gatos	CA		

US-CL-CURRENT: 435/440; 435/6, 435/91.2, 536/23.1, 536/24.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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36. Document ID: US 6313089 B1

L13: Entry 36 of 48

File: USPT

Nov 6, 2001

US-PAT-NO: 6313089

DOCUMENT-IDENTIFIER: US 6313089 B1

TITLE: Complexes of apolipoprotein E and ciliary neurotrophic factor (CNTF) and methods of use

DATE-ISSUED: November 6, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Matthew; William D.	Durham	NC		
Strittmatter; Warren J.	Durham	NC		
Gutman; Catherine R.	Durham	NC		

US-CL-CURRENT: 514/2; 424/185.1, 424/195.11, 514/21, 530/350, 530/399

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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37. Document ID: US 6303344 B1

L13: Entry 37 of 48

File: USPT

Oct 16, 2001

US-PAT-NO: 6303344

DOCUMENT-IDENTIFIER: US 6303344 B1

TITLE: Methods and compositions for polypeptide engineering

DATE-ISSUED: October 16, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Patten; Phillip A.	Mountain View	CA		
Stemmer; Willem P.C.	Los Gatos	CA		

US-CL-CURRENT: 435/91.1; 435/252.3, 435/325, 435/6, 435/91.5, 536/23.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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38. Document ID: US 6291242 B1

L13: Entry 38 of 48

File: USPT

Sep 18, 2001

US-PAT-NO: 6291242

DOCUMENT-IDENTIFIER: US 6291242 B1

TITLE: Methods for generating polynucleotides having desired characteristics by iterative selection and recombination

DATE-ISSUED: September 18, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Stemmer; Willem P. C.	Los Gatos	CA		

US-CL-CURRENT: 435/440; 257/E29.242, 257/E29.265, 257/E29.313, 257/E39.016, 435/6, 435/91.2, 536/23.1, 536/24.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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39. Document ID: US 6180406 B1

L13: Entry 39 of 48

File: USPT

Jan 30, 2001

US-PAT-NO: 6180406

DOCUMENT-IDENTIFIER: US 6180406 B1

TITLE: Methods for generating polynucleotides having desired characteristics by iterative selection and recombination

DATE-ISSUED: January 30, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Stemmer; Willem P.C.	Los Gatos	CA		

US-CL-CURRENT: 435/440; 435/6, 435/91.2, 536/23.1, 536/24.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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40. Document ID: US 6165793 A

L13: Entry 40 of 48

File: USPT

Dec 26, 2000

US-PAT-NO: 6165793

DOCUMENT-IDENTIFIER: US 6165793 A

TITLE: Methods for generating polynucleotides having desired characteristics by iterative selection and recombination

DATE-ISSUED: December 26, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Stemmer; Willem P. C.	Los Gatos	CA		

US-CL-CURRENT: 435/440; 435/6, 536/23.1, 536/24.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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41. Document ID: US 6150583 A

L13: Entry 41 of 48

File: USPT

Nov 21, 2000

US-PAT-NO: 6150583

DOCUMENT-IDENTIFIER: US 6150583 A

TITLE: Transgenic animals expressing artificial epitope-tagged proteins

DATE-ISSUED: November 21, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Prusiner; Stanley B.	San Francisco	CA		
Telling; Glenn C.	San Francisco	CA		
Cohen; Fred E.	San Francisco	CA		
Scott; Michael R.	San Francisco	CA		

US-CL-CURRENT: 800/4; 435/320.1, 435/69.1, 435/7.1, 536/23.1, 800/3, 800/6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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42. Document ID: US 6117679 A

L13: Entry 42 of 48

File: USPT

Sep 12, 2000

US-PAT-NO: 6117679

DOCUMENT-IDENTIFIER: US 6117679 A

TITLE: Methods for generating polynucleotides having desired characteristics by iterative selection and recombination

DATE-ISSUED: September 12, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Stemmer; Willem P. C.	Los Gatos	CA		

US-CL-CURRENT: 435/440; 435/6, 536/23.1, 536/24.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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43. Document ID: US 6027711 A

L13: Entry 43 of 48

File: USPT

Feb 22, 2000

US-PAT-NO: 6027711

DOCUMENT-IDENTIFIER: US 6027711 A

TITLE: Structurally determined metallo-constructs and applications

DATE-ISSUED: February 22, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sharma; Shubh D.	Albuquerque	NM		

US-CL-CURRENT: 424/1.69; 424/1.11, 424/1.65, 530/300, 530/326, 530/327, 530/328, 530/329, 530/330, 530/331, 534/14

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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44. Document ID: US 5837500 A

L13: Entry 44 of 48

File: USPT

Nov 17, 1998

US-PAT-NO: 5837500

DOCUMENT-IDENTIFIER: US 5837500 A

TITLE: Directed evolution of novel binding proteins

DATE-ISSUED: November 17, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ladner; Robert Charles	Ijamsville	MD		
Guttermann; Sonia Kosow	Belmont	MA		
Roberts; Bruce Lindsay	Milford	MA		
Markland; William	Milford	MA		
Ley; Arthur Charles	Newton	MA		
Kent; Rachel Baribault	Boxborough	MA		

US-CL-CURRENT: 435/69.7; 435/471, 435/91.1, 435/91.2, 530/350, 530/412, 536/23.4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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45. Document ID: US 5789655 A

L13: Entry 45 of 48

File: USPT

Aug 4, 1998

US-PAT-NO: 5789655

DOCUMENT-IDENTIFIER: US 5789655 A

TITLE: Transgenic animals expressing artificial epitope-tagged proteins

DATE-ISSUED: August 4, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Prusiner; Stanley B.	San Francisco	CA		
Telling; Glenn C.	San Francisco	CA		
Cohen; Fred E.	San Francisco	CA		
Scott; Michael R.	San Francisco	CA		

US-CL-CURRENT: 800/3; 424/9.1, 424/9.2, 800/18, 800/9

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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46. Document ID: US 5571698 A

L13: Entry 46 of 48

File: USPT

Nov 5, 1996

US-PAT-NO: 5571698

DOCUMENT-IDENTIFIER: US 5571698 A

**** See image for Certificate of Correction ****TITLE: Directed evolution of novel binding proteins

DATE-ISSUED: November 5, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ladner; Robert C.	Ijamsville	MD		
Guterman; Sonia K.	Belmont	MA		
Roberts; Bruce L.	Milford	MA		
Markland; William	Milford	MA		
Ley; Arthur C.	Newton	MA		
Kent; Rachel B.	Boxborough	MA		

US-CL-CURRENT: 435/69.7; 435/252.3, 435/320.1, 435/477, 435/6, 435/69.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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47. Document ID: US 5403484 A

L13: Entry 47 of 48

File: USPT

Apr 4, 1995

US-PAT-NO: 5403484

DOCUMENT-IDENTIFIER: US 5403484 A

TITLE: Viruses expressing chimeric binding proteins

DATE-ISSUED: April 4, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ladner; Robert C.	Ijamsville	MD		
Guterman; Sonia K.	Belmont	MA		
Roberts; Bruce L.	Milford	MA		
Markland; William	Milford	MA		
Ley; Arthur C.	Newton	MA		
Kent; Rachel B.	Boxborough	MA		

US-CL-CURRENT: 435/235.1; 435/252.3, 435/320.1, 435/69.7, 530/350, 536/23.4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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48. Document ID: US 5223409 A

L13: Entry 48 of 48

File: USPT

Jun 29, 1993

US-PAT-NO: 5223409

DOCUMENT-IDENTIFIER: US 5223409 A

TITLE: Directed evolution of novel binding proteins

DATE-ISSUED: June 29, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ladner; Robert C.	Ijamsville	MD		
Guterman; Sonia K.	Belmont	MA		
Roberts; Bruce L.	Milford	MA		
Markland; William	Milford	MA		
Ley; Arthur C.	Newton	MA		
Kent; Rachel B.	Boxborough	MA		

US-CL-CURRENT: 435/69.7; 435/252.3, 435/320.1, 435/472, 435/5, 435/69.1, 530/387.3, 530/387.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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Term	Documents
RESISTS	0
RESIST.DWPI,TDBD,EPAB,USPT,PGPB.	228425
RESISTA.DWPI,TDBD,EPAB,USPT,PGPB.	109
RESISTAACE.DWPI,TDBD,EPAB,USPT,PGPB.	1
RESISTAANCE.DWPI,TDBD,EPAB,USPT,PGPB.	4
RESISTAANT.DWPI,TDBD,EPAB,USPT,PGPB.	3
RESISTAAT.DWPI,TDBD,EPAB,USPT,PGPB.	2
RESISTABILITY.DWPI,TDBD,EPAB,USPT,PGPB.	98
RESISTABLATING.DWPI,TDBD,EPAB,USPT,PGPB.	1
RESISTABLE.DWPI,TDBD,EPAB,USPT,PGPB.	113
RESISTABLY.DWPI,TDBD,EPAB,USPT,PGPB.	87
(L12 AND ((RESISTS OR INHIBITS) SAME (DEGRADATS OR PROTEOLYS))).USPT,PGPB,EPAB,DWPI,TDBD.	48

[There are more results than shown above. Click here to view the entire set.](#)

Display Format: [Change Format](#)

[Previous Page](#) [Next Page](#)

WEST Search History

DATE: Friday, May 16, 2003

Set Name Query
side by side

Hit Count Set Name
result set

*DB=USPT,PGPB,EPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES;
OP=ADJ*

L3	L1 and (fusion same (cleav\$ same site?))	44	L3
L2	L1 and (four adj helix adj bundle)	7	L2
L1	(proline? or (proline adj rich)) and (resist\$ same (protease? or degradation or proteolysis))	376	L1

END OF SEARCH HISTORY

WEST

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Search Results - Record(s) 1 through 7 of 7 returned.**1. Document ID: US 20030027764 A1**

L2: Entry 1 of 7

File: PGPB

Feb 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030027764

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030027764 A1

TITLE: Novel therapeutic and prophylactic agents and methods of using same

PUBLICATION-DATE: February 6, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Gopalakrishnakone, Ponnampalam	Singapore		SG	
Thwin, Maung-Maung	Singapore		SG	
Jeyaseelan, Kandiah	Melbourne		AU	
Armugam, Arunmozhiarasi	Singapore		SG	

US-CL-CURRENT: 514/12; 435/184, 435/320.1, 435/325, 435/69.2, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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2. Document ID: US 20020150881 A1

L2: Entry 2 of 7

File: PGPB

Oct 17, 2002

PGPUB-DOCUMENT-NUMBER: 20020150881

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020150881 A1

TITLE: Directed evolution of novel binding proteins

PUBLICATION-DATE: October 17, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ladner, Robert Charles	Ijamsville	MD	US	
Guterman, Sonia Kosow	Belmont	MA	US	
Roberts, Bruce Lindsay	Milford	MA	US	
Markland, William	Milford	MA	US	
Ley, Arthur Charles	Newton	MA	US	
Kent, Rachel Baribault	Boxborough	MA	US	

US-CL-CURRENT: 435/5; 435/235.1, 435/6, 435/7.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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3. Document ID: US 20020102604 A1

L2: Entry 3 of 7

File: PGPB

Aug 1, 2002

PGPUB-DOCUMENT-NUMBER: 20020102604
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020102604 A1

TITLE: Full-length human cDNAs encoding potentially secreted proteins

PUBLICATION-DATE: August 1, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Milne Edwards, Jean-Baptiste Dumas	Paris		FR	
Bougueleret, Lydie	Petit Lancy		CH	
Jobert, Severin	Paris		FR	

US-CL-CURRENT: 435/7.1; 530/350, 536/23.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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4. Document ID: US 5837500 A

L2: Entry 4 of 7

File: USPT

Nov 17, 1998

US-PAT-NO: 5837500
DOCUMENT-IDENTIFIER: US 5837500 A

TITLE: Directed evolution of novel binding proteins

DATE-ISSUED: November 17, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ladner; Robert Charles	Ijamsville	MD		
Guterman; Sonia Kosow	Belmont	MA		
Roberts; Bruce Lindsay	Milford	MA		
Markland; William	Milford	MA		
Ley; Arthur Charles	Newton	MA		
Kent; Rachel Baribault	Boxborough	MA		

US-CL-CURRENT: 435/69.7; 435/471, 435/91.1, 435/91.2, 530/350, 530/412, 536/23.4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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5. Document ID: US 5571698 A

L2: Entry 5 of 7

File: USPT

Nov 5, 1996

US-PAT-NO: 5571698
DOCUMENT-IDENTIFIER: US 5571698 A

**** See image for Certificate of Correction ****

TITLE: Directed evolution of novel binding proteins

DATE-ISSUED: November 5, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ladner; Robert C.	Ijamsville	MD		
Guterman; Sonia K.	Belmont	MA		
Roberts; Bruce L.	Milford	MA		
Markland; William	Milford	MA		
Ley; Arthur C.	Newton	MA		
Kent; Rachel B.	Boxborough	MA		

US-CL-CURRENT: 435/69.7; 435/252.3, 435/320.1, 435/477, 435/6, 435/69.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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6. Document ID: US 5403484 A

L2: Entry 6 of 7

File: USPT

Apr 4, 1995

US-PAT-NO: 5403484

DOCUMENT-IDENTIFIER: US 5403484 A

TITLE: Viruses expressing chimeric binding proteins

DATE-ISSUED: April 4, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ladner; Robert C.	Ijamsville	MD		
Guterman; Sonia K.	Belmont	MA		
Roberts; Bruce L.	Milford	MA		
Markland; William	Milford	MA		
Ley; Arthur C.	Newton	MA		
Kent; Rachel B.	Boxborough	MA		

US-CL-CURRENT: 435/235.1; 435/252.3, 435/320.1, 435/69.7, 530/350, 536/23.4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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7. Document ID: US 5223409 A

L2: Entry 7 of 7

File: USPT

Jun 29, 1993

US-PAT-NO: 5223409

DOCUMENT-IDENTIFIER: US 5223409 A

TITLE: Directed evolution of novel binding proteins

DATE-ISSUED: June 29, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ladner; Robert C.	Ijamsville	MD		
Guterman; Sonia K.	Belmont	MA		
Roberts; Bruce L.	Milford	MA		
Markland; William	Milford	MA		
Ley; Arthur C.	Newton	MA		
Kent; Rachel B.	Boxborough	MA		

US-CL-CURRENT: 435/69.7; 435/252.3, 435/320.1, 435/472, 435/5, 435/69.1, 530/387.3, 530/387.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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Term	Documents
FOUR.DWPI,TDBD,EPAB,USPT,PGPB.	1294836
FOURS.DWPI,TDBD,EPAB,USPT,PGPB.	1757
HELIX.DWPI,TDBD,EPAB,USPT,PGPB.	48691
HELICES.DWPI,TDBD,EPAB,USPT,PGPB.	9348
HELIXES.DWPI,TDBD,EPAB,USPT,PGPB.	2043
BUNDLE.DWPI,TDBD,EPAB,USPT,PGPB.	88573
BUNDLES.DWPI,TDBD,EPAB,USPT,PGPB.	43057
(1 AND ((FOUR ADJ HELIX) ADJ BUNDLE)).USPT,PGPB,EPAB,DWPI,TDBD.	7
(L1 AND (FOUR ADJ HELIX ADJ BUNDLE)).USPT,PGPB,EPAB,DWPI,TDBD.	7

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Search Results - Record(s) 1 through 44 of 44 returned.**1. Document ID: US 20030068649 A1**

L3: Entry 1 of 44

File: PGPB

Apr 10, 2003

PGPUB-DOCUMENT-NUMBER: 20030068649

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030068649 A1

TITLE: Methods and compositions for the construction and use of fusion libraries

PUBLICATION-DATE: April 10, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Doberstein, Stephen K.	Pasadena	CA	US	
Jin, Cheng He	San Diego	CA	US	
Li, Min	Lutherville	MD	US	
Liu, Hong-Xiang	Monrovia	CA	US	
Melander, Christian	Monrovia	CA	US	

US-CL-CURRENT: [435/7.1](#); [435/320.1](#), [435/325](#), [435/6](#), [435/69.7](#), [536/23.1](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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2. Document ID: US 20030049647 A1

L3: Entry 2 of 44

File: PGPB

Mar 13, 2003

PGPUB-DOCUMENT-NUMBER: 20030049647

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030049647 A1

TITLE: Use of nucleic acid libraries to create toxicological profiles

PUBLICATION-DATE: March 13, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Dahiyat, Bassil	Atladena	CA	US	
Li, Min	Lutherville	MD	US	

US-CL-CURRENT: [435/6](#); [435/7.1](#), [436/518](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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3. Document ID: US 20030044423 A1

L3: Entry 3 of 44

File: PGPB

Mar 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030044423
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030044423 A1

TITLE: Expression technology for proteins containing a hybrid isotype antibody moiety

PUBLICATION-DATE: March 6, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Gillies, Stephen D.	Carlisle	MA	US	
Way, Jeffrey	Cambridge	MA	US	
Lo, King-Ming	Lexington	MA	US	

US-CL-CURRENT: 424/192.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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4. Document ID: US 20030036643 A1

L3: Entry 4 of 44

File: PGPB

Feb 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030036643
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030036643 A1

TITLE: Methods and compositions for the construction and use of fusion libraries

PUBLICATION-DATE: February 20, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Jin, Cheng He	San Diego	CA	US	
Li, Min	Lutherville	MD	US	
Liu, Hong-Xiang	Monrovia	CA	US	
Melander, Christian	Monrovia	CA	US	

US-CL-CURRENT: 536/23.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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5. Document ID: US 20030027764 A1

L3: Entry 5 of 44

File: PGPB

Feb 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030027764
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030027764 A1

TITLE: Novel therapeutic and prophylactic agents and methods of using same

PUBLICATION-DATE: February 6, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Gopalakrishnakone, Ponnampalam	Singapore		SG	
Thwin, Maung-Maung	Singapore		SG	
Jeyaseelan, Kandiah	Melbourne		AU	
Armugam, Arunmozhiarasi	Singapore		SG	

US-CL-CURRENT: 514/12; 435/184, 435/320.1, 435/325, 435/69.2, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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6. Document ID: US 20020172968 A1

L3: Entry 6 of 44

File: PGPB

Nov 21, 2002

PGPUB-DOCUMENT-NUMBER: 20020172968
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020172968 A1

TITLE: Biochips comprising nucleic acid/protein conjugates

PUBLICATION-DATE: November 21, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Liu, Hongxiang	Monrovia	CA	US	
Dahiyat, Bassil I.	Altadena	CA	US	
Li, Min	Lutherville	MD	US	

US-CL-CURRENT: 435/6; 536/24.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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7. Document ID: US 20020168649 A1

L3: Entry 7 of 44

File: PGPB

Nov 14, 2002

PGPUB-DOCUMENT-NUMBER: 20020168649
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020168649 A1

TITLE: Methods and compositions for screening for modulators of IgE synthesis, secretion and switch rearrangement

PUBLICATION-DATE: November 14, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ferrick, David A.	Sunnyvale	CA	US	
Swift, Susan E.	Menlo Park	CA	US	
Armstrong, Randall	Hayward	CA	US	
Fox, Bryan	Pacific	CA	US	

US-CL-CURRENT: 435/6; 435/4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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8. Document ID: US 20020168640 A1

L3: Entry 8 of 44

File: PGPB

Nov 14, 2002

PGPUB-DOCUMENT-NUMBER: 20020168640
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020168640 A1

TITLE: Biochips comprising nucleic acid/protein conjugates

PUBLICATION-DATE: November 14, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Li, Min	Lutherville	MD	US	
Dahiyat, Bassil I.	Los Angeles	CA	US	

US-CL-CURRENT: 435/6; 435/183, 530/395

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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9. Document ID: US 20020155563 A1

L3: Entry 9 of 44

File: PGPB

Oct 24, 2002

PGPUB-DOCUMENT-NUMBER: 20020155563
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020155563 A1

TITLE: Identification and cloning of a full-length human Clnk-related gene, MIST (Mast Cell Immunoreceptor Signal Transducer)

PUBLICATION-DATE: October 24, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Perez-Villar, Juan J.	Mercerville	NJ	US	
Chang, Han	Princeton Junction	NJ	US	
Yang, Wen-Pin	Princeton	NJ	US	
Wu, Yuli	Newtown	PA	US	
Whitney, Gena S.	Lawrenceville	NJ	US	
Kanner, Steven B.	Princeton	NJ	US	

US-CL-CURRENT: 435/183; 435/320.1, 435/325, 435/6, 435/69.1, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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10. Document ID: US 20020150881 A1

L3: Entry 10 of 44

File: PGPB

Oct 17, 2002

PGPUB-DOCUMENT-NUMBER: 20020150881
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020150881 A1

TITLE: Directed evolution of novel binding proteins

PUBLICATION-DATE: October 17, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ladner, Robert Charles	Ijamsville	MD	US	
Guterman, Sonia Kosow	Belmont	MA	US	
Roberts, Bruce Lindsay	Milford	MA	US	
Markland, William	Milford	MA	US	
Ley, Arthur Charles	Newton	MA	US	
Kent, Rachel Baribault	Boxborough	MA	US	

US-CL-CURRENT: 435/5; 435/235.1, 435/6, 435/7.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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11. Document ID: US 20020123076 A1

L3: Entry 11 of 44

File: PGPB

Sep 5, 2002

PGPUB-DOCUMENT-NUMBER: 20020123076

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020123076 A1

TITLE: Methods and compositions for screening for modulators of IgE synthesis, secretion and switch rearrangement

PUBLICATION-DATE: September 5, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ferrick, David A.	Sunnyvale	CA	US	
Swift, Susan E.	Menlo Park	CA	US	
Armstrong, Randall	Hayward	CA	US	
Fox, Bryan	Pacifica	CA	US	

US-CL-CURRENT: 435/7.2; 435/4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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12. Document ID: US 20020107211 A1

L3: Entry 12 of 44

File: PGPB

Aug 8, 2002

PGPUB-DOCUMENT-NUMBER: 20020107211

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020107211 A1

TITLE: Modulators of body weight, corresponding nucleic acids and proteins, and diagnostic and therapeutic uses thereof

PUBLICATION-DATE: August 8, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Friedman, Jeffrey M.	New York	NY	US	
Halaas, Jeffrey L.	New York	NY	US	
Gajiwala, Ketan	New York	NY	US	
Burley, Stephen K.	New York	NY	US	
Zhang, Yiyang	New York	NY	US	
Proenca, Ricardo	Astoria	NY	US	
Maffei, Margherita	New York	NY	US	

US-CL-CURRENT: 514/44; 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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13. Document ID: US 6562958 B1

L3: Entry 13 of 44

File: USPT

May 13, 2003

US-PAT-NO: 6562958

DOCUMENT-IDENTIFIER: US 6562958 B1

TITLE: Nucleic acid and amino acid sequences relating to *Acinetobacter baumannii* for diagnostics and therapeutics

DATE-ISSUED: May 13, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Breton; Gary	Marlborough	MA		
Bush; David	Somerville	MA		

US-CL-CURRENT: 536/23.7; 536/23.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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14. Document ID: US 6551795 B1

L3: Entry 14 of 44

File: USPT

Apr 22, 2003

US-PAT-NO: 6551795

DOCUMENT-IDENTIFIER: US 6551795 B1

TITLE: Nucleic acid and amino acid sequences relating to *pseudomonas aeruginosa* for diagnostics and therapeutics

DATE-ISSUED: April 22, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rubenfield; Marc J.	Framingham	MA		
Nolling; Jork	Quincy	MA		
Deloughery; Craig	Medford	MA		
Bush; David	Somerville	MA		

US-CL-CURRENT: 435/69.1; 435/253.13; 435/320.1; 435/325; 435/6; 536/23.1; 536/23.7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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15. Document ID: US 6498020 B1

L3: Entry 15 of 44

File: USPT

Dec 24, 2002

US-PAT-NO: 6498020

DOCUMENT-IDENTIFIER: US 6498020 B1

TITLE: Fusion proteins comprising coiled-coil structures derived of bovine IF1
ATPase inhibitor protein

DATE-ISSUED: December 24, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Walker; John	Cambridge			GB
Miroux; Bruno	Cambridge			GB

US-CL-CURRENT: 435/69.1; 424/184.1, 424/185.1, 435/69.7, 530/350, 530/412, 530/413

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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Full	Draw Desc	Image
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16. Document ID: US 6471956 B1

L3: Entry 16 of 44

File: USPT

Oct 29, 2002

US-PAT-NO: 6471956

DOCUMENT-IDENTIFIER: US 6471956 B1

TITLE: Ob polypeptides, modified forms and compositions thereto

DATE-ISSUED: October 29, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Friedman; Jeffrey M.	New York	NY		
Zhang; Yiyang	New York	NY		
Proenca; Ricardo	Astoria	NY		

US-CL-CURRENT: 424/85.1; 514/12, 514/2, 514/8, 530/300, 530/350, 530/351, 530/402

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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17. Document ID: US 6451571 B1

L3: Entry 17 of 44

File: USPT

Sep 17, 2002

US-PAT-NO: 6451571

DOCUMENT-IDENTIFIER: US 6451571 B1

**** See image for Certificate of Correction ****

TITLE: Thymidine kinase mutants

DATE-ISSUED: September 17, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Loeb; Lawrence A.	Bellevue	WA		
Black; Margaret E.	Bothell	WA		

US-CL-CURRENT: 435/194; 435/183, 435/193

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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18. Document ID: US 6383775 B1

L3: Entry 18 of 44

File: USPT

May 7, 2002

US-PAT-NO: 6383775

DOCUMENT-IDENTIFIER: US 6383775 B1

TITLE: Designer proteases

DATE-ISSUED: May 7, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Duff; Gordon W.	Sheffield			GB
Sayers; Jon R.	Clay Cross			GB
Vitovski; Srdjan	Sheffield			GB

US-CL-CURRENT: 435/69.1; 435/69.7, 435/69.8, 435/7.1, 435/70.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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19. Document ID: US 6350730 B1

L3: Entry 19 of 44

File: USPT

Feb 26, 2002

US-PAT-NO: 6350730

DOCUMENT-IDENTIFIER: US 6350730 B1

**** See image for Certificate of Correction ****

TITLE: OB polypeptides and modified forms as modulators of body weight

DATE-ISSUED: February 26, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Friedman; Jeffrey M.	New York	NY		
Zhang; Yiyang	New York	NY		
Proenca; Ricardo	Astoria	NY		

US-CL-CURRENT: 514/12; 514/2, 514/8, 514/909, 530/350, 530/421

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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20. Document ID: US 6322962 B1

L3: Entry 20 of 44

File: USPT

Nov 27, 2001

US-PAT-NO: 6322962

DOCUMENT-IDENTIFIER: US 6322962 B1

TITLE: Sterol-regulated Site-1 protease and assays of modulators thereof

DATE-ISSUED: November 27, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Brown; Michael S.	Dallas	TX		
Cheng; Dong	Dallas	TX		
Espenshade; Peter J.	Dallas	TX		
Goldstein; Joseph L.	Dallas	TX		
Rawson; Robert B.	Lewisville	TX		
Sakai; Juro	Tamatsukuri Miyagi			JP

US-CL-CURRENT: 435/4; 435/320.1, 435/325, 435/455, 435/6, 530/350, 536/23.1, 536/23.4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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21. Document ID: US 6309853 B1

L3: Entry 21 of 44

File: USPT

Oct 30, 2001

US-PAT-NO: 6309853

DOCUMENT-IDENTIFIER: US 6309853 B1

TITLE: Modulators of body weight, corresponding nucleic acids and proteins, and diagnostic and therapeutic uses thereof

DATE-ISSUED: October 30, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Friedman; Jeffrey M.	New York	NY		
Zhang; Yiyang	New York	NY		
Proenca; Ricardo	Astoria	NY		

US-CL-CURRENT: 435/69.1; 435/252.3, 435/252.31, 435/252.33, 435/252.34, 435/252.35, 435/320.1, 435/325, 536/23.1, 536/23.5, 536/23.51, 536/24.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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22. Document ID: US 6274331 B1

L3: Entry 22 of 44

File: USPT

Aug 14, 2001

US-PAT-NO: 6274331

DOCUMENT-IDENTIFIER: US 6274331 B1

TITLE: Method of determining a functional linker for fusing globin subunits

DATE-ISSUED: August 14, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Looker; Douglas L.	Lafayette	CO		
Stetler; Gary L.	Denver	CO		

US-CL-CURRENT: 435/7.2; 435/30, 435/39, 435/69.6, 435/69.7, 436/66, 436/86, 530/385

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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23. Document ID: US 6184356 B1

L3: Entry 23 of 44

File: USPT

Feb 6, 2001

US-PAT-NO: 6184356

DOCUMENT-IDENTIFIER: US 6184356 B1

TITLE: Production and use of multimeric hemoglobins

DATE-ISSUED: February 6, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Anderson; David C.	San Bruno	CA		
Mathews; Antony J.	Boulder	CO		
Stetler; Gary L.	Boulder	CO		

US-CL-CURRENT: 530/385; 530/400, 530/402, 530/417

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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24. Document ID: US 6180771 B1

L3: Entry 24 of 44

File: USPT

Jan 30, 2001

US-PAT-NO: 6180771

DOCUMENT-IDENTIFIER: US 6180771 B1

TITLE: Nucleic acids encoding a house dust mite allergen, Der p III, and uses therefor

DATE-ISSUED: January 30, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Thomas; Wayne R.	Nedlands			AU
Chua; Kaw-Yan	Taipei			TW
Rogers; Bruce L.	Belmont	MA		
Kuc; Mei-chang	Winchester	MA		

US-CL-CURRENT: 536/23.6; 424/275.1, 435/252.3, 435/254.11, 435/320.1, 435/69.3, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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25. Document ID: US 6124448 A

L3: Entry 25 of 44

File: USPT

Sep 26, 2000

US-PAT-NO: 6124448

DOCUMENT-IDENTIFIER: US 6124448 A

TITLE: Nucleic acid primers and probes for the mammalian OB gene

DATE-ISSUED: September 26, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Friedman; Jeffrey M.	New York	NY		
Zhang; Yiyang	New York	NY		
Proenca; Ricardo	Astoria	NY		
Maffei; Margherita	New York	NY		

US-CL-CURRENT: 536/24.3; 536/24.31

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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26. Document ID: US 6124439 A

L3: Entry 26 of 44

File: USPT

Sep 26, 2000

US-PAT-NO: 6124439

DOCUMENT-IDENTIFIER: US 6124439 A

TITLE: OB polypeptide antibodies and method of making

DATE-ISSUED: September 26, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Friedman; Jeffrey M.	New York	NY		
Zhang; Yiyang	New York	NY		
Proenca; Ricardo	Astoria	NY		

US-CL-CURRENT: 530/388.24; 424/130.1, 424/133.1, 424/135.1, 424/141.1, 424/142.1, 424/145.1, 424/158.1, 424/178.1, 435/326, 435/328, 435/331, 435/335, 435/336, 435/70.2, 435/70.21, 435/975, 530/387.3, 530/387.9, 530/388.15, 530/388.73, 530/389.1, 530/389.2, 530/391.1, 530/391.3, 530/391.7, 530/864

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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27. Document ID: US 6048837 A

L3: Entry 27 of 44

File: USPT

Apr 11, 2000

US-PAT-NO: 6048837

DOCUMENT-IDENTIFIER: US 6048837 A

TITLE: OB polypeptides as modulators of body weight

DATE-ISSUED: April 11, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Friedman; Jeffrey M.	New York	NY		
Zhang; Yiyang	New York	NY		
Proenca; Ricardo	Astoria	NY		

US-CL-CURRENT: 514/2; 424/85.1, 514/12, 514/21, 514/8, 514/844, 514/866, 514/909

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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28. Document ID: US 6046165 A

L3: Entry 28 of 44

File: USPT

Apr 4, 2000

US-PAT-NO: 6046165

DOCUMENT-IDENTIFIER: US 6046165 A

TITLE: Compositions and methods for identifying and testing TGF-.beta. pathway agonists and antagonists

DATE-ISSUED: April 4, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Laughon; Allen	Madison	WI		
Johnson; Kirby	Madison	WI		
Kim; Jaeseob	Madison	WI		

US-CL-CURRENT: 514/12; 514/44, 530/350

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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29. Document ID: US 5935824 A

L3: Entry 29 of 44

File: USPT

Aug 10, 1999

US-PAT-NO: 5935824

DOCUMENT-IDENTIFIER: US 5935824 A

TITLE: Protein expression system

DATE-ISSUED: August 10, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sgarlato; Gregory D.	Los Gatos	CA		

US-CL-CURRENT: 435/69.7; 435/69.8, 530/350, 536/23.4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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30. Document ID: US 5877010 A

L3: Entry 30 of 44

File: USPT

Mar 2, 1999

US-PAT-NO: 5877010

DOCUMENT-IDENTIFIER: US 5877010 A

TITLE: Thymidine kinase mutants

DATE-ISSUED: March 2, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Loeb; Lawrence A.	Bellevue	WA		
Black; Margaret E.	Bothell	WA		

US-CL-CURRENT: 435/320.1; 435/243, 435/325, 536/23.2, 536/23.5, 536/23.72, 536/24.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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31. Document ID: US 5844089 A

L3: Entry 31 of 44

File: USPT

Dec 1, 1998

US-PAT-NO: 5844089

DOCUMENT-IDENTIFIER: US 5844089 A

TITLE: Genetically fused globin-like polypeptides having hemoglobin-like activity

DATE-ISSUED: December 1, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hoffman; Stephen J.	Denver	CO		
Looker; Douglas L.	Lafayette	CO		
Rosendahl; Mary S.	Broomfield	CO		
Stetler; Gary L.	Denver	CO		
Wagenbach; Michael	Osaka			JP
Anderson; David C.	Lafayette	CO		
Mathews; Antony James	Louisville	CO		
Nagai; Kiyoshi	Cambridge			GB2

US-CL-CURRENT: 530/385

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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32. Document ID: US 5844088 A

L3: Entry 32 of 44

File: USPT

Dec 1, 1998

US-PAT-NO: 5844088

DOCUMENT-IDENTIFIER: US 5844088 A

TITLE: Hemoglobin-like protein comprising genetically fused globin-like polypeptides

DATE-ISSUED: December 1, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hoffman; Stephen J.	Denver	CO		
Looker; Douglas L.	Lafayette	CO		
Rosendahl; Mary S.	Broomfield	CO		
Stetler; Gary L.	Denver	CO		
Wagenbach; Michael	Osaka			JP
Anderson; David C.	Lafayette	CO		
Mathews; Antony James	Louisville	CO		
Nagai; Kiyoshi	Cambridge			GB2

US-CL-CURRENT: 530/385

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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33. Document ID: US 5837500 A

L3: Entry 33 of 44

File: USPT

Nov 17, 1998

US-PAT-NO: 5837500

DOCUMENT-IDENTIFIER: US 5837500 A

TITLE: Directed evolution of novel binding proteins

DATE-ISSUED: November 17, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ladner; Robert Charles	Ijamsville	MD		
Guttermann; Sonia Kosow	Belmont	MA		
Roberts; Bruce Lindsay	Milford	MA		
Markland; William	Milford	MA		
Ley; Arthur Charles	Newton	MA		
Kent; Rachel Baribault	Boxborough	MA		

US-CL-CURRENT: 435/69.7; 435/471, 435/91.1, 435/91.2, 530/350, 530/412, 536/23.4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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34. Document ID: US 5801019 A

L3: Entry 34 of 44

File: USPT

Sep 1, 1998

US-PAT-NO: 5801019

DOCUMENT-IDENTIFIER: US 5801019 A

TITLE: DNA encoding fused alpha-beta globin pseudodimer and production of pseudotetrameric hemoglobin

DATE-ISSUED: September 1, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Anderson; David C.	Lafayette	CO		
Mathews; Antony James	Louisville	CO		

US-CL-CURRENT: 435/69.6; 435/69.1, 435/69.7, 530/385, 536/23.4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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35. Document ID: US 5798227 A

L3: Entry 35 of 44

File: USPT

Aug 25, 1998

US-PAT-NO: 5798227

DOCUMENT-IDENTIFIER: US 5798227 A

TITLE: Co-expression of alpha and beta globins

DATE-ISSUED: August 25, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hoffman; Stephen J.	Denver	CO		
Looker; Douglas L.	Lafayette	CO		
Stetler; Gary L.	Denver	CO		
Wagenbach; Michael	Osaka			JP

US-CL-CURRENT: 435/69.6; 435/252.33, 435/254.21, 435/320.1, 435/71.1, 435/71.2, 530/385

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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36. Document ID: US 5780221 A

L3: Entry 36 of 44

File: USPT

Jul 14, 1998

US-PAT-NO: 5780221

DOCUMENT-IDENTIFIER: US 5780221 A

TITLE: Identification of enantiomeric ligands

DATE-ISSUED: July 14, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Schumacher; Antonius Nicolass Maria	Somerville	MA		
Kim; Peter S.	Lexington	MA		

US-CL-CURRENT: 435/5; 435/6, 435/7.1, 436/501, 436/518

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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37. Document ID: US 5744329 A

L3: Entry 37 of 44

File: USPT

Apr 28, 1998

US-PAT-NO: 5744329

DOCUMENT-IDENTIFIER: US 5744329 A

TITLE: DNA encoding fused di-beta globins and production of pseudotetrameric hemoglobin

DATE-ISSUED: April 28, 1998

INVENTOR- INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hoffman; Stephen J.	Denver	CO		
Looker; Douglas L.	Lafayette	CO		
Rosendahl; Mary S.	Broomfield	CO		
Stetler; Gary L.	Denver	CO		
Wagenbach; Michael	Osaka			JP
Anderson; David C.	Lafayette	CO		
Mathews; Antony James	Louisville	CO		
Nagai; Kiyoshi	Cambridge			GB2

US-CL-CURRENT: 435/69.6; 435/69.1, 435/69.7, 530/385, 536/23.4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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38. Document ID: US 5739011 A

L3: Entry 38 of 44

File: USPT

Apr 14, 1998

US-PAT-NO: 5739011

DOCUMENT-IDENTIFIER: US 5739011 A

TITLE: DNA for the production of multimeric hemoglobins

DATE-ISSUED: April 14, 1998

INVENTOR- INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Anderson; David C.	San Bruno	CA		
Mathews; Antony James	Louisville	CO		
Stetler; Gary L.	Boulder	CO		

US-CL-CURRENT: 435/69.6; 435/254.11, 435/257.3, 435/320.1, 435/325, 530/385, 536/23.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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39. Document ID: US 5599907 A

L3: Entry 39 of 44

File: USPT

Feb 4, 1997

US-PAT-NO: 5599907

DOCUMENT-IDENTIFIER: US 5599907 A

TITLE: Production and use of multimeric hemoglobins

DATE-ISSUED: February 4, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Anderson; David C.	San Bruno	CA		
Mathews; Antony J.	Louisville	CO		
Stetler; Gary L.	Boulder	CO		

US-CL-CURRENT: 530/385; 435/69.1, 435/69.7, 435/71.1, 530/829, 536/23.4, 536/23.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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40. Document ID: US 5571698 A

L3: Entry 40 of 44

File: USPT

Nov 5, 1996

US-PAT-NO: 5571698

DOCUMENT-IDENTIFIER: US 5571698 A

**** See image for Certificate of Correction ****

TITLE: Directed evolution of novel binding proteins

DATE-ISSUED: November 5, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ladner; Robert C.	Ijamsville	MD		
Guterman; Sonia K.	Belmont	MA		
Roberts; Bruce L.	Milford	MA		
Markland; William	Milford	MA		
Ley; Arthur C.	Newton	MA		
Kent; Rachel B.	Boxborough	MA		

US-CL-CURRENT: 435/69.7; 435/252.3, 435/320.1, 435/477, 435/6, 435/69.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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41. Document ID: US 5545727 A

L3: Entry 41 of 44

File: USPT

Aug 13, 1996

US-PAT-NO: 5545727

DOCUMENT-IDENTIFIER: US 5545727 A

TITLE: DNA encoding fused di-alpha globins and production of pseudotetrameric hemoglobin

DATE-ISSUED: August 13, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hoffman; Stephen J.	Denver			
Looker; Douglas L.	Lafayette	CO		
Nagai; Kiyoshi	Cambridge			GB2

US-CL-CURRENT: 536/23.4; 530/385, 536/23.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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42. Document ID: US 5403484 A

L3: Entry 42 of 44

File: USPT

Apr 4, 1995

US-PAT-NO: 5403484

DOCUMENT-IDENTIFIER: US 5403484 A

TITLE: Viruses expressing chimeric binding proteins

DATE-ISSUED: April 4, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ladner; Robert C.	Ijamsville	MD		
Guterman; Sonia K.	Belmont	MA		
Roberts; Bruce L.	Milford	MA		
Markland; William	Milford	MA		
Ley; Arthur C.	Newton	MA		
Kent; Rachel B.	Boxborough	MA		

US-CL-CURRENT: 435/235.1; 435/252.3, 435/320.1, 435/69.7, 530/350, 536/23.4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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43. Document ID: US 5252466 A

L3: Entry 43 of 44

File: USPT

Oct 12, 1993

US-PAT-NO: 5252466

DOCUMENT-IDENTIFIER: US 5252466 A

**** See image for Certificate of Correction ****

TITLE: Fusion proteins having a site for in vivo post-translation modification and methods of making and purifying them

DATE-ISSUED: October 12, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cronan, Jr.; John E.	Urbana	IL		

US-CL-CURRENT: 435/69.7; 435/252.3, 435/320.1, 530/350

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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44. Document ID: US 5223409 A

L3: Entry 44 of 44

File: USPT

Jun 29, 1993

US-PAT-NO: 5223409

DOCUMENT-IDENTIFIER: US 5223409 A

TITLE: Directed evolution of novel binding proteins

DATE-ISSUED: June 29, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ladner; Robert C.	Ijamsville	MD		
Guterman; Sonia K.	Belmont	MA		
Roberts; Bruce L.	Milford	MA		
Markland; William	Milford	MA		
Ley; Arthur C.	Newton	MA		
Kent; Rachel B.	Boxborough	MA		

US-CL-CURRENT: 435/69.7; 435/252.3, 435/320.1, 435/472, 435/5, 435/69.1, 530/387.3, 530/387.5

Full	Title	Citation	Front	Renew	Classification	Date	Reference	Sequences	Attachments
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45 FILES SEARCHED...

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3 FILE USPATFULL

61 FILES SEARCHED...

67 FILES SEARCHED...

80 FILES SEARCHED...

97 FILES SEARCHED...

1 FILES HAVE ONE OR MORE ANSWERS, 99 FILES SEARCHED IN STNINDEX

L1 QUE PROLINE? AND ((RESIST? OR INHIBIT?) (S) (PEPTIDASE? OR PROTEASE?)) AND
(ANTIMICROBIAL (S) (PEPTIDE? OR POLYPEPTIDE?)) AND (FOUR (W) HELIX (W)
) BUNDLE)

=> file hits

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3.85	4.06

FULL ESTIMATED COST

FILE 'USPATFULL' ENTERED AT 15:41:14 ON 16 MAY 2003

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FILE COVERS 1971 TO PATENT PUBLICATION DATE: 15 May 2003 (20030515/PD)

FILE LAST UPDATED: 15 May 2003 (20030515/ED)

HIGHEST GRANTED PATENT NUMBER: US6564383

HIGHEST APPLICATION PUBLICATION NUMBER: US2003093849

CA INDEXING IS CURRENT THROUGH 15 May 2003 (20030515/UPCA)

ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 15 May 2003 (20030515/PD)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Feb 2003

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Feb 2003

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>>> publications, starting in 2001, for the inventions covered in	<<<
>>> USPATFULL. A USPATFULL record contains not only the original	<<<
>>> published document but also a list of any subsequent	<<<
>>> publications. The publication number, patent kind code, and	<<<
>>> publication date for all the US publications for an invention	<<<

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>>> /PK, etc. <<<

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>>> enter this cluster. <<<
>>> <<<
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>>> classifications, or claims, that may potentially change from <<<
>>> the earliest to the latest publication. <<<

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l1

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      24739 PROLINE?
    1158595 RESIST?
      408377 INHIBIT?
        5959 PEPTIDASE?
        38148 PROTEASE?
        20380 (RESIST? OR INHIBIT?) (S) (PEPTIDASE? OR PROTEASE?)
        23345 ANTIMICROBIAL
          4770 ANTIMICROBIALS
        25643 ANTIMICROBIAL
              (ANTIMICROBIAL OR ANTIMICROBIALS)
        80681 PEPTIDE?
        54174 POLYPEPTIDE?
          2347 ANTIMICROBIAL (S) (PEPTIDE? OR POLYPEPTIDE?)
    1078765 FOUR
        1364 FOURS
    1079028 FOUR
              (FOUR OR FOURS)
        36395 HELIX
          1727 HELIXES
          7888 HELICES
        39780 HELIX
              (HELIX OR HELIXES OR HELICES)
        52972 BUNDLE
        29211 BUNDLES
        65554 BUNDLE
              (BUNDLE OR BUNDLES)
        193 FOUR (W) HELIX (W) BUNDLE
L2      3 PROLINE? AND ((RESIST? OR INHIBIT?) (S) (PEPTIDASE? OR PROTEASE?
        )) AND (ANTIMICROBIAL (S) (PEPTIDE? OR POLYPEPTIDE?)) AND (FOUR
        (W) HELIX (W) BUNDLE)

```

=> s proline? and ((resist? or inhibit?) (s) (peptidase? or protease?)) and (four (w) helix (w) bundle)

```

      24739 PROLINE?
    1158595 RESIST?
      408377 INHIBIT?
        5959 PEPTIDASE?
        38148 PROTEASE?
        20380 (RESIST? OR INHIBIT?) (S) (PEPTIDASE? OR PROTEASE?)
    1078765 FOUR
        1364 FOURS
    1079028 FOUR
              (FOUR OR FOURS)
        36395 HELIX
          1727 HELIXES
          7888 HELICES
        39780 HELIX
              (HELIX OR HELIXES OR HELICES)
        52972 BUNDLE

```

29211 BUNDLES

65554 BUNDLE

BUNDLE OR BUNDLES

193 FOUR (W) HELIX (W) BUNDLE

L3 24 PROLINE? AND ((RESIST? OR INHIBIT? (S) (PEPTIDASE? OR PROTEASE?
)) AND (FOUR (W) HELIX (W) BUNDLE)

=> d 13 1-24 ihib abs

L3 ANSWER 1 OF 24 USPATFULL

ACCESSION NUMBER: 2003:126708 USPATFULL
TITLE: Therapeutic agents comprising pro-apoptotic proteins
INVENTOR(S): Rosenblum, Michael G., Houston, TX, UNITED STATES
Liu, Yuying, Houston, TX, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003086919	A1	20030508
APPLICATION INFO.:	US 2002-196793	A1	20020717 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-306091P	20010717 (60)
	US 2001-332886P	20011106 (60)
	US 2002-360361P	20020228 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	FULBRIGHT & JAWORSKI, LLP, 1301 MCKINNEY, SUITE 5100, HOUSTON, TX, 77010-3095	
NUMBER OF CLAIMS:	61	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	34 Drawing Page(s)	
LINE COUNT:	5367	

AB The present invention relates to targeted killing of a cell utilizing a chimeric polypeptide comprising a cell-specific targeting moiety and a signal transduction pathway factor. In a preferred embodiment, the signal transduction pathway factor is an apoptosis-inducing factor, such as granzyme B, granzyme A, or Bax.

L3 ANSWER 2 OF 24 USPATFULL

ACCESSION NUMBER: 2003:113451 USPATFULL
TITLE: Combinatorial protein domains
INVENTOR(S): Winter, Gregory Paul, Cambridge, UNITED KINGDOM
Riechmann, Lutz, Cambridge, UNITED KINGDOM

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003078192	A1	20030424
APPLICATION INFO.:	US 2001-119556	A1	20020410 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2001-938945, filed on 24 Aug 2001, PENDING Continuation-in-part of Ser. No. WO 2001-GB445, filed on 2 Feb 2001, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	GB 2001-2492	20000203
	GB 2001-19362	20000807
	GB 2000-16346	20000703
	US	
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	PALMER & DODGE, LLP, KATHLEEN M. WILLIAMS, 111 HUNTINGTON AVENUE, BOSTON, MA, 02199	
NUMBER OF CLAIMS:	79	

EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 4 Drawing Pages
LINE COUNT: 4574

AB The invention relates to a pharmaceutical composition comprising a chimeric, folded protein domain comprising two or more sequence segments from parent amino acid sequences that are not homologous. The invention more particularly relates to compositions comprising a chimeric, folded protein domain comprising two or more sequence segments wherein each of the sequence segments: is not designed or selected to consist solely of a single complete protein structural element and is not designed or selected to consist solely of an entire protein domain; and, in isolation, shows no significant folding at the melting temperature of the chimeric protein. The invention also relates to methods for the selection of such protein domains, and to methods of raising an immune response using such domains, and preferably to chimeric domains that display conformational B cell epitopes of at least one of their parent amino acid sequences.

L3 ANSWER 3 OF 24 USPATFULL

ACCESSION NUMBER: 2003:67830 USPATFULL
TITLE: Four-helical bundle protein zsig81
INVENTOR(S): Piddington, Christopher S., Thousand Oaks, CA, United States
West, James W., Seattle, WA, United States
Holly, Richard D., Seattle, WA, United States
Burkhead, Steven K., Hershey, PA, United States
PATENT ASSIGNEE(S): ZymoGenetics, Inc., Seattle, WA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6531576	B1	20030311
APPLICATION INFO.:	US 2000-585228		20000601 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-137057P	19990601 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Romeo, David S.	
LEGAL REPRESENTATIVE:	Sawislak, Deborah A.	
NUMBER OF CLAIMS:	9	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	1 Drawing Figure(s); 4 Drawing Page(s)	
LINE COUNT:	3953	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This present invention is directed to polypeptide and polynucleotide molecules that encode a four-helical bundle cytokine. The cytokine has been designated zsig81, and has restricted expression in primarily heart, lung and liver. zsig81 has been shown to stimulate proliferation of hematopoietic cells and will be useful expansion of these cells, as well as conditions associated with hematopoietic cells. The invention is directed to antibodies and methods of making zsig81 polypeptides, as well.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 4 OF 24 USPATFULL

ACCESSION NUMBER: 2003:38117 USPATFULL
TITLE: Novel therapeutic and prophylactic agents and methods of using same
INVENTOR(S): Gopalakrishnakone, Ponnampalam, Singapore, SINGAPORE
Thwin, Maung-Maung, Singapore, SINGAPORE
Jeyaseelan, Kandiah, Melbourne, AUSTRALIA

Armugam, Arunmozhiarasi, Singapore, SINGAPORE

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003027764	A1	20030206
APPLICATION INFO.:	US 2002-163499	A1	20020607 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. WO 2000-SG201, filed on 7 Dec 2000, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	SG 1999-6237	19991208
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BIRCH STEWART KOLASCH & BIRCH, PO BOX 747, FALLS CHURCH, VA, 22040-0747	
NUMBER OF CLAIMS:	21	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	10 Drawing Page(s)	
LINE COUNT:	3836	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A phospholipase A.sub.2 inhibitor protein designated "Phospholipase Inhibitor from Python" (PIP)--formerly designated "Python Antitoxic Factor" (PAF)--is given by SEQ ID NO:2. The partial amino acid sequence for PIP was initially determined from the native protein purified from the blood serum of a non-venomous snake, Python reticulatus. The complete PIP polynucleotide sequence was obtained from a cDNA clone encoding PIP, given by SEQ ID NO:1, along with the full amino acid sequence deduced from it. Also disclosed is a recombinant protein PIP, which shows strong lethal toxin neutralizing activity similar to the native PIP, and has potent anti-inflammatory activity. Both the native and the functionally equivalent recombinant PIP are useful for the prevention or treatment of conditions such as snakebites, insect stings, and inflammatory diseases. Also, phospholipase A.sub.2 (PLA.sub.2) inhibitory polypeptides designated P-0029, P-0009, and P-0006, the sequences of which are given as SEQ ID NO:10, SEQ ID NO:11, and SEQ ID NO:12, respectively, are disclosed. Those polypeptides, and their synthetic chemical analogues and polypeptide variants that inhibit PLA.sub.2 activity and alleviate inflammation, may also be used in the diagnosis, study, prevention, and treatment of PLA.sub.2-related human inflammatory diseases.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 5 OF 24 USPATFULL

ACCESSION NUMBER: 2002:332617 USPATFULL
TITLE: Beryllofluoride analogues of acyl phosphate polypeptides
INVENTOR(S): Dalai, Yan, Albany, CA, United States
Kustu, Sydney, Berkeley, CA, United States
Cho, Ho S., San Francisco, CA, United States
PATENT ASSIGNEE(S): The Regents of the University of California, Oakland, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6495356	B1	20021217
APPLICATION INFO.:	US 2000-705233		20001101 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-168431P	19991130 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Weber, Jon P.	

LEGAL REPRESENTATIVE: Bozicevic, Field and Francis LLP, Francis, Carol L.
NUMBER OF CLAIMS: 15
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 19 Drawing Figure(s); 13 Drawing Page(s)
LINE COUNT: 1604

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention features methods and compositions for production of persistent acyl phosphate analogues (e.g., aspartyl phosphate analogues) using berylliofluoride (BeF₃), as well as polypeptides comprising such an acyl phosphate analogue and antibodies that specifically bind to these polypeptides. The invention further features methods of using BeF₃ analogues in screening assays to identify candidate agent compounds that modulate activity of polypeptides that normally exhibit activity due to the presence of an acyl phosphate linkage (e.g., a phosphorylated aspartate residue as in, e.g., polypeptides involved in signal transduction, polypeptides involved in ion transport across biological membranes, phosphotransferases, etc.). The BeF₃ polypeptide analogues can also be used to facilitate determination of the structure of the corresponding phosphorylated polypeptide and in rationale drug design.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 6 OF 24 USPATFULL

ACCESSION NUMBER: 2002:272761 USPATFULL
TITLE: Directed evolution of novel binding proteins
INVENTOR(S): Ladner, Robert Charles, Ijamsville, MD, UNITED STATES
Guterman, Sonia Kosow, Belmont, MA, UNITED STATES
Roberts, Bruce Lindsay, Milford, MA, UNITED STATES
Markland, William, Milford, MA, UNITED STATES
Ley, Arthur Charles, Newton, MA, UNITED STATES
Kent, Rachel Baribault, Boxborough, MA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002150881	A1	20021017
APPLICATION INFO.:	US 2001-781988	A1	20010214 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1998-192067, filed on 16 Nov 1998, ABANDONED Continuation of Ser. No. US 1995-415922, filed on 3 Apr 1995, PATENTED Continuation of Ser. No. US 1993-9319, filed on 26 Jan 1993, PATENTED Division of Ser. No. US 1991-664989, filed on 1 Mar 1991, PATENTED Continuation-in-part of Ser. No. US 1990-487063, filed on 2 Mar 1990, ABANDONED Continuation-in-part of Ser. No. US 1988-240160, filed on 2 Sep 1988, ABANDONED		

	NUMBER	DATE
PRIORITY INFORMATION:	WO 1989-US3731	19890901
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BROWDY AND NEIMARK, P.L.L.C., 624 Ninth Street, N.W., Washington, DC, 20001	
NUMBER OF CLAIMS:	18	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	16 Drawing Page(s)	
LINE COUNT:	15696	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB In order to obtain a novel binding protein against a chosen target, DNA molecules, each encoding a protein comprising one of a family of similar potential binding domains and a structural signal calling for the display of the protein on the outer surface of a chosen bacterial cell, bacterial spore or phage (genetic package) are introduced into a genetic package. The protein is expressed and the potential binding domain is

displayed on the outer surface of the package. The cells or viruses bearing the binding domains which recognize the target molecule are isolated and amplified. The successful binding domains are then characterized. One or more of these successful binding domains is used as a model for the design of a new family of potential binding domains, and the process is repeated until a novel binding domain having a desired affinity for the target molecule is obtained. In one embodiment, the first family of potential binding domains is related to bovine pancreatic trypsin inhibitor, the genetic package is M13 phage, and the protein includes the outer surface transport signal of the M13 gene III protein.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 7 OF 24 USPATFULL

ACCESSION NUMBER: 2002:224589 USPATFULL
 TITLE: Anticoagulant peptide fragments derived from apolipoprotein B-100
 INVENTOR(S): Bruckdorfer, Karl Richard, London, UNITED KINGDOM
 Ettelaie, Camille, London, UNITED KINGDOM
 PATENT ASSIGNEE(S): University College London, London, UNITED KINGDOM
 (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6444644	B1	20020903
	WO 9743311		19971120
APPLICATION INFO.:	US 1998-180422		19981207 (9)
	WO 1997-GB1255		19970509
			19981207 PCT 371 date

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1996-9701255	19960509
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Davenport, Avis M.	
LEGAL REPRESENTATIVE:	Nixon & Vanderhye P.C.	
NUMBER OF CLAIMS:	48	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	7 Drawing Figure(s); 6 Drawing Page(s)	
LINE COUNT:	2426	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides a peptide compound of formula
 $Z_{sup.1}-K-A-Q-X_{sup.1}-K-K-N-K-H-R-H-S-X_{sup.2}-T-Z_{sup.2}$
 (SEQ ID NO:1) where: $X_{sup.1}$ represents S or Y, $X_{sup.2}$ represents T or I, $Z_{sup.1}$ represents the N terminus of the peptide, or from 1 to 47 amino acids, $Z_{sup.2}$ represents the C terminus of the peptide, a terminal amide group, or from 1 to 77 amino acids; or a variant of this peptide which contains one or more internal deletions, insertions or substitutions and which substantially retains anti-coagulant properties of apoB-100.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 8 OF 24 USPATFULL

ACCESSION NUMBER: 2002:206156 USPATFULL
 TITLE: Novel polypeptides, modulatory agents therefor and methods of using them
 INVENTOR(S): Verhagen, Anne Marie, Northcote, AUSTRALIA
 Ekert, Paul Gerald, Elsternwick, AUSTRALIA
 Vaux, David Lawrence, Fairfield, AUSTRALIA
 PATENT ASSIGNEE S : The Walter and Eliza Hall Institute of Medical Research
 of Royal Parade non-U.S. corporation

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002110851	A1	20020815
APPLICATION INFO.:	US 2001-798116	A1	20010302 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	AU 2000-5995	20000302
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	AKIN, GUMP, STRAUSS, HAUER & FELD, L.L.P., ONE COMMERCE SQUARE, 2005 MARKET STREET, SUITE 2200, PHILADELPHIA, PA, 19103	
NUMBER OF CLAIMS:	33	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	9 Drawing Page(s)	
LINE COUNT:	3678	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A pro-apoptotic polypeptide, designated DIABLO, is disclosed which inhibits the activity of IAPs, including animal and viral IAPs. Also disclosed are methods of using DIABLO polypeptides and DIABLO-encoding polynucleotides to screen for modulatory agents that modulate the level and/or functional activity of DIABLO, as well as methods for detecting cell death or apoptosis, and for diagnosis of conditions relating to the expression or activation of DIABLO. The invention also discloses compositions for treating and/or preventing such DIABLO-related conditions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 9 OF 24 USPATFULL

ACCESSION NUMBER: 2002:191539 USPATFULL
 TITLE: Full-length human cDNAs encoding potentially secreted proteins
 INVENTOR(S): Milne Edwards, Jean-Baptiste Dumas, Paris, FRANCE
 Bougueleret, Lydie, Petit Lancy, SWITZERLAND
 Jobert, Severin, Paris, FRANCE

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002102604	A1	20020801
APPLICATION INFO.:	US 2000-731872	A1	20001207 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-169629P	19991208 (60)
	US 2000-187470P	20000306 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	John Lucas, Ph.D., J.D., Genset Corporation, 10665 Srrento Valley Road, San Diego, CA, 92121-1609	
NUMBER OF CLAIMS:	29	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	5 Drawing Page(s)	
LINE COUNT:	28061	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention concerns GENSET polynucleotides and polypeptides. Such GENSET products may be used as reagents in forensic analyses, as chromosome markers, as tissue/cell/organelle-specific markers, in the production of expression vectors. In addition, they may be used in screening and diagnosis assays for abnormal GENSET expression and/or biological activity and for screening compounds that may be used in the treatment of GENSET-related disorders.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 10 OF 24 USPATFULL

ACCESSION NUMBER: 2002:85536 USPATFULL
TITLE: Solution structure of TNFR-1 DD and uses thereof
INVENTOR(S): Sukits, Steven F., Arlington, MA, UNITED STATES
Xu, Guang-Yi, Medford, MA, UNITED STATES
Lin, Lih-Ling, Concord, MA, UNITED STATES
Telliez, Jean-Baptiste, Waltham, MA, UNITED STATES
Hsu, Sang, Lexington, MA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002045578	A1	20020418
APPLICATION INFO.:	US 2001-854906	A1	20010514 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-206215P	20000522 (50)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Craig J. Arnold, Amster, Rothstein & Ebenstein, 90 Park Avenue, New York, NY, 10016	
NUMBER OF CLAIMS:	36	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	17 Drawing Page(s)	
LINE COUNT:	1239	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to the three dimensional solution structure of tumor necrosis factor receptor 1 death domain (TNFR-1 DD), as well as the identification and characterization of various binding active sites of TNFR-1 DD. Also provided for by the present invention are methods of utilizing the three dimensional structure for the design and selection of potent and selective inhibitors of TNF signaling pathways.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 11 OF 24 USPATFULL

ACCESSION NUMBER: 2001:18600 USPATFULL
TITLE: Soluble extracellular domain of human M-CSF receptor
INVENTOR(S): Koths, Kirston, El Cerrito, CA, United States
Taylor, Eric, Oakland, CA, United States
PATENT ASSIGNEE(S): Chiron Corporation, Emeryville, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6184354	B1	20010206
APPLICATION INFO.:	US 1995-462794		19950505 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 351292, now patented, Pat. No. US 5866114 Continuation-in-part of Ser. No. US 1992-896512, filed on 9 Jun 1992, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Pak, Michael		
LEGAL REPRESENTATIVE:	Pichopien, Donald J., Morley, Kimberlin L., Blackburn, Robert P.		
NUMBER OF CLAIMS:	3		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	7 Drawing Figure(s); 8 Drawing Page(s)		
LINE COUNT:	1940		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to methods for crystallizing macrophage colony stimulating factor. The present invention is also directed to methods for designing and producing M-CSF agonists and

antagonists using information derived from the crystallographic structure of M-CSF. The invention is also directed to methods for screening M-CSF agonists and antagonists. In addition, the present invention is directed to an isolated, purified, soluble and functional M-CSF receptor.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 12 OF 24 USPATFULL

ACCESSION NUMBER: 2000:164270 USPATFULL
TITLE: Peptide library and screening method
INVENTOR(S): Schatz, Peter J., Mountain View, CA, United States
Cull, Millard G., Oakland, CA, United States
Miller, Jeff F., Los Angeles, CA, United States
Stemmer, Willem Peter Christiaan, Los Gatos, CA, United States
Gates, Christian M., Morgan Hill, CA, United States(4)
PATENT ASSIGNEE(S): Affymax Technologies N.V., Greenford, United Kingdom
(non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6156511		20001205
APPLICATION INFO.:	US 1998-10216		19980121 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1995-548540, filed on 26 Oct 1995, now patented, Pat. No. US 5733731 which is a continuation-in-part of Ser. No. US 1994-290641, filed on 15 Aug 1994, now patented, Pat. No. US 5498530 which is a continuation of Ser. No. US 1992-963321, filed on 15 Oct 1992, now patented, Pat. No. US 5338665 which is a continuation-in-part of Ser. No. US 1991-778233, filed on 16 Oct 1991, now patented, Pat. No. US 5270170		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Ketter, James		
LEGAL REPRESENTATIVE:	Lieberschuetz, Joe, Stevens, Lauren L., Ausenhus, Scott		
NUMBER OF CLAIMS:	35		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	12 Drawing Figure(s); 11 Drawing Page(s)		
LINE COUNT:	4393		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A random peptide library constructed by transforming host cells with a collection of recombinant vectors that encode a fusion protein comprised of a DNA binding protein and a random peptide and also encode a binding site for the DNA. binding protein can be used to screen for novel ligands. The screening method results in the formation of a complex comprising the fusion protein bound to a receptor through the random peptide ligand and to the recombinant DNA vector through the DNA binding protein.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 13 OF 24 USPATFULL

ACCESSION NUMBER: 2000:109565 USPATFULL
TITLE: Peptide library and screening method
INVENTOR(S): Hart, Charles F., Mountain View, CA, United States
PATENT ASSIGNEE(S): Affymax Technologies N.V., Curaco, Netherlands
(non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6107059		20000822
APPLICATION INFO.:	US 1992-876288		19920429 7
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		

PRIMARY EXAMINER: Campbell, Bruce R.
LEGAL REPRESENTATIVE: Townsend & Townsend & Crew
NUMBER OF CLAIMS: 8
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 10 Drawing Figure(s); 12 Drawing Page(s)
LINE COUNT: 2405

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A random peptide library constructed by transforming host cells with a collection of recombinant vectors that encode a fusion protein comprised of a carrier protein fused to a random peptide through a proteolytic cleavage site can be used to identify ligands that bind to a receptor. The screening method results in the formation of a complex comprising the fusion protein bound to a receptor through the random peptide ligand, and the random peptide can easily be identified and analyzed by virtue of the carrier protein and associated proteolytic cleavage site.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 14 OF 24 USPATFULL

ACCESSION NUMBER: 2000:18232 USPATFULL
TITLE: Identification of M-CSF agonists and antagonists
INVENTOR(S): Pandit, Jayvardhan, Mystic, CT, United States
Jancarik, Jarmila, Walnut Creek, CA, United States
Kim, Sung-Hou, Moraga, CA, United States
Koths, Kirston, El Cerrito, CA, United States
Halenbeck, Robert, San Rafael, CA, United States
Fear, Anna Lisa, Oakland, CA, United States
Taylor, Eric, Oakland, CA, United States
Yamamoto, Ralph, Martinez, CA, United States
Bohm, Andrew, Armonk, NY, United States
PATENT ASSIGNEE(S): Chiron Corporation, Emeryville, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6025146		20000215
APPLICATION INFO.:	US 1995-462069		19950605 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 351292		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Ulm, John		
ASSISTANT EXAMINER:	Mertz, Prema		
LEGAL REPRESENTATIVE:	Pochopien, Donald, Potter, Jane E. R., Blackburn, Robert P.		
NUMBER OF CLAIMS:	8		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	12 Drawing Figure(s); 8 Drawing Page(s)		
LINE COUNT:	1829		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to methods for crystallizing macrophage colony stimulating factor. The present invention is also directed to methods for designing and producing M-CSF agonists and antagonists using information derived from the crystallographic structure of M-CSF. The invention is also directed to methods for screening M-CSF agonists and antagonists. In addition, the present invention is directed to an isolated, purified, soluble and functional M-CSF receptor.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 15 OF 24 USPATFULL

ACCESSION NUMBER: 1999:15475 USPATFULL
TITLE: Crystallization of M-CSF.alpha.
INVENTOR(S): Pandit, Jayvardhan, Mystic, CT, United States
Jancarik, Jarmila, Walnut Creek, CA, United States

Kim, Sung-Hou, Moraga, CA, United States
 Moths, Kirston, El Cerrito, CA, United States
 Halenbeck, Robert, San Rafael, CA, United States
 Fear, Anna Lisa, Oakland, CA, United States
 Taylor, Eric, Oakland, CA, United States
 Yamamoto, Ralph, Martinez, CA, United States
 Bohm, Andrew, Berkeley, CA, United States
 PATENT ASSIGNEE(S): Chiron Corporation, Emeryville, CA, United States (U.S.
 corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5866114		19990202
	WO 9325687		19931223
APPLICATION INFO.:	US 1995-351292		19950525 (8)
	WO 1993-US5548		19930609
			19950525 PCT 371 date
			19950525 PCT 102(e) date
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1992-896512, filed on 9 Jun 1992, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Ulm, John		
ASSISTANT EXAMINER:	Mertz, Prema		
LEGAL REPRESENTATIVE:	Pochopien, Donald, Potter, Jane E. R., Blackburn, Robert P.		
NUMBER OF CLAIMS:	42		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	10 Drawing Figure(s); 7 Drawing Page(s)		
LINE COUNT:	2600		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to methods for crystallizing
 macrophage colony stimulating factor (M-CSF) and to a crystalline M-CSF
 produced thereby. The present invention is also directed to methods for
 designing and producing M-CSF agonists and antagonists using information
 derived from the crystallographic structure of M-CSF. The invention is
 also directed to methods for screening M-CSF agonists and antagonists.
 In addition, the present invention is directed to an isolated, purified,
 soluble and functional M-CSF receptor.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 16 OF 24 USPATFULL

ACCESSION NUMBER: 1998:143904 USPATFULL
 TITLE: Directed evolution of novel binding proteins
 INVENTOR(S): Ladner, Robert Charles, Ijamsville, MD, United States
 Gutterman, Sonia Kosow, Belmont, MA, United States
 Roberts, Bruce Lindsay, Milford, MA, United States
 Markland, William, Milford, MA, United States
 Ley, Arthur Charles, Newton, MA, United States
 Kent, Rachel Baribault, Boxborough, MA, United States
 PATENT ASSIGNEE(S): Dyax, Corp., Cambridge, MA, United States (U.S.
 corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5837500		19981117
APPLICATION INFO.:	US 1995-415922		19950403 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1993-9319, filed on 26 Jan 1993, now patented, Pat. No. US 5403484 which is a division of Ser. No. US 1991-664989, filed on 1 Mar 1991, now patented, Pat. No. US 5223409 which is a continuation-in-part of Ser. No. US 1990-487063, filed on 2 Mar 1990, now abandoned which is a continuation-in-part of Ser. No. US 1988-240160, filed		

on 2 Sep 1988, now abandoned
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Ulm, John
LEGAL REPRESENTATIVE: Cooper, Iver P.
NUMBER OF CLAIMS: 43
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 16 Drawing Figure(s); 16 Drawing Page(s)
LINE COUNT: 15973

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB In order to obtain a novel binding protein against a chosen target, DNA molecules, each encoding a protein comprising one of a family of similar potential binding domains and a structural signal calling for the display of the protein on the outer surface of a chosen bacterial cell, bacterial spore or phage (genetic package) are introduced into a genetic package. The protein is expressed and the potential binding domain is displayed on the outer surface of the package. The cells or viruses bearing the binding domains which recognize the target molecule are isolated and amplified. The successful binding domains are then characterized. One or more of these successful binding domains is used as a model for the design of a new family of potential binding domains, and the process is repeated until a novel binding domain having a desired affinity for the target molecule is obtained. In one embodiment, the first family of potential binding domains is related to bovine pancreatic trypsin inhibitor, the genetic package is M13 phage, and the protein includes the outer surface transport signal of the M13 gene III protein.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 17 OF 24 USPATFULL

ACCESSION NUMBER: 1998:72727 USPATFULL
TITLE: Receptor activation with inactive hepatocyte growth factor ligands
INVENTOR(S): Godowski, Paul J., Pacifica, CA, United States
PATENT ASSIGNEE(S): Genentech, Inc., South San Francisco, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5770704		19980623
APPLICATION INFO.:	US 1997-792078		19970131 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1995-423291, filed on 17 Apr 1995, now abandoned which is a division of Ser. No. US 1994-268880, filed on 30 Jun 1994, now abandoned which is a continuation of Ser. No. US 1992-950572, filed on 22 Sep 1992, now abandoned which is a continuation-in-part of Ser. No. US 1992-884811, filed on 18 May 1992, now patented, Pat. No. US 5316921 And Ser. No. US 1992-885971, filed on 18 May 1992, now patented, Pat. No. US 5328837		

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Hutzell, Paula K.
ASSISTANT EXAMINER: Hayes, Robert C.
LEGAL REPRESENTATIVE: Marschang, Diane L., Conley, Deirdre L.
NUMBER OF CLAIMS: 4
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 12 Drawing Figure(s); 9 Drawing Page(s)
LINE COUNT: 2643

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AE The invention concerns a method for activating receptors selected from receptor tyrosine kinases, cytokine receptors and members of the nerve growth factor receptor superfamily. A conjugate comprising the direct fusion of at least two ligands capable of binding to the receptor so to

be activated is contacted with the receptors, whereby the ligands bind their respective receptors inducing receptor oligomerization.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 18 OF 24 USPATFULL

ACCESSION NUMBER: 1998:65362 USPATFULL
TITLE: Receptor activation with hepatocyte growth factor agonists
INVENTOR(S): Godowski, Paul J., Burlingame, CA, United States
PATENT ASSIGNEE(S): Genentech, Inc., San Francisco, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5763584		19980609
APPLICATION INFO.:	US 1995-435764		19950505 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1993-87784, filed on 13 Jul 1993, now abandoned which is a continuation-in-part of Ser. No. US 1992-950572, filed on 21 Sep 1992, now abandoned which is a continuation-in-part of Ser. No. US 1992-884811, filed on 18 May 1992, now patented, Pat. No. US 5316921 And a continuation-in-part of Ser. No. US 1992-885971, filed on 18 May 1992, now patented, Pat. No. US 5328837		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Hutzell, Paula K.		
ASSISTANT EXAMINER:	Hayes, Robert C.		
LEGAL REPRESENTATIVE:	Marschang, Diane L., Conley, Deirdre L.		
NUMBER OF CLAIMS:	4		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	24 Drawing Figure(s); 18 Drawing Page(s)		
LINE COUNT:	2955		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention concerns a method for activating receptors selected from receptor tyrosine kinases, cytokine receptors and members of the nerve growth factor receptor superfamily. A conjugate comprising the direct fusion of at least two ligands capable of binding to the receptor(s) to be activated is contacted with the receptors, whereby the ligands bind their respective receptors inducing receptor oligomerization.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 19 OF 24 USPATFULL

ACCESSION NUMBER: 1998:33759 USPATFULL
TITLE: Peptide library and screening method
INVENTOR(S): Schatz, Peter J., Mountain View, CA, United States
Cull, Millard G., Oakland, CA, United States
Miller, Jeff F., Los Angeles, CA, United States
Stemmer, Willem Peter Christiaan, Los Gatos, CA, United States
Gates, Christian M., Morgan Hill, CA, United States(4)
PATENT ASSIGNEE(S): Affymax Technologies N.V., Greenford, England (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5733731		19980331
APPLICATION INFO.:	US 1995-548540		19951026 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1994-290641, filed on 15 Aug 1994, now patented, Pat. No. US 5498530 which is a continuation of Ser. No. US 1992-963321, filed on 15 Oct 1992, now patented, Pat. No. US 5338665 which is a continuation-in-part of Ser. No. US 1991-778233,		

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Ketter, James
LEGAL REPRESENTATIVE: Liebeschuetz, Joe, Stevens, Lauren L.
NUMBER OF CLAIMS: 27
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 12 Drawing Figure(s); 11 Drawing Page(s)
LINE COUNT: 3597

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A random peptide library constructed by transforming host cells with a collection of recombinant vectors that encode a fusion protein comprised of a DNA binding protein and a random peptide and also encode a binding site for the DNA binding protein can be used to screen for novel ligands. The screening method results in the formation of a complex comprising the fusion protein bound to a receptor through the random peptide ligand and to the recombinant DNA vector through the DNA binding protein.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 20 OF 24 USPATFULL

ACCESSION NUMBER: 97:101887 USPATFULL
TITLE: Chimeric hepatocyte growth factor (HGF) ligand variants
INVENTOR(S): Godowski, Paul J., Burlingame, CA, United States
PATENT ASSIGNEE(S): Genentech, Inc., South San Francisco, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5684136		19971104
APPLICATION INFO.:	US 1995-435501		19950505 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1993-87784, filed on 13 Jul 1993, now abandoned which is a continuation-in-part of Ser. No. US 1992-950572, filed on 21 Sep 1992, now abandoned which is a continuation-in-part of Ser. No. US 1992-884811, filed on 18 May 1992, now patented, Pat. No. US 5316921 And Ser. No. US 1992-885971, filed on 18 May 1992, now patented, Pat. No. US 5328837		

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Allen, Marianne P.
ASSISTANT EXAMINER: Hayes, Robert C.
LEGAL REPRESENTATIVE: Marschang, Diane L., Conley, Deirdre L.
NUMBER OF CLAIMS: 5
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 24 Drawing Figure(s); 18 Drawing Page(s)
LINE COUNT: 2916

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention concerns a method for activating receptors selected from receptor tyrosine kinases, cytokine receptors and members of the nerve growth factor receptor superfamily. A conjugate comprising the direct fusion of at least two ligands capable of binding to the receptor(s) to be activated is contacted with the receptors, whereby the ligands bind their respective receptors inducing receptor oligomerization.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 21 OF 24 USPATFULL

ACCESSION NUMBER: 96:101466 USPATFULL
TITLE: Directed evolution of novel binding proteins
INVENTOR(S): Ladner, Robert C., Ijamsville, MD, United States
Guterman, Sonia K., Belmont, MA, United States
Roberts, Bruce L., Milford, MA, United States
Markland, William, Milford, MA, United States

PATENT ASSIGNEE(S): Ley, Arthur C., Newton, MA, United States
Kent, Rachel B., Boxborough, MA, United States
Protein Engineering Corporation, Cambridge, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5571698		19961105
APPLICATION INFO.:	US 1993-57667		19930618 (8)
DISCLAIMER DATE:	20100629		
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1991-664989, filed on 1 Mar 1991, now patented, Pat. No. US 5223409 which is a continuation-in-part of Ser. No. US 1990-487063, filed on 2 Mar 1990, now abandoned which is a continuation-in-part of Ser. No. US 1988-240160, filed on 2 Sep 1988, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Ulm, John		
LEGAL REPRESENTATIVE:	Cooper, Iver P.		
NUMBER OF CLAIMS:	83		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	16 Drawing Figure(s); 16 Drawing Page(s)		
LINE COUNT:	15323		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB In order to obtain a novel binding protein against a chosen target, DNA molecules, each encoding a protein comprising one of a family of similar potential binding domains and a structural signal calling for the display of the protein on the outer surface of a chosen bacterial cell, bacterial spore or phage (genetic package) are introduced into a genetic package. The protein is expressed and the potential binding domain is displayed on the outer surface of the package. The cells or viruses bearing the binding domains which recognize the target molecule are isolated and amplified. The successful binding domains are then characterized. One or more of these successful binding domains is used as a model for the design of a new family of potential binding domains, and the process is repeated until a novel binding domain having a desired affinity for the target molecule is obtained. In one embodiment, the first family of potential binding domains is related to bovine pancreatic trypsin inhibitor, the genetic package is M13 phage, and the protein includes the outer surface transport signal of the M13 gene III protein.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 22 OF 24 USPATFULL
ACCESSION NUMBER: 95:62572 USPATFULL
TITLE: Peptide library and screening systems
INVENTOR(S): Dower, William J., Menlo Park, CA, United States
Cwirla, Steven E., Palo Alto, CA, United States
Barrett, Ronald W., Sunnyvale, CA, United States
PATENT ASSIGNEE(S): Affymax Technologies N.V., Netherlands (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5432018		19950711
APPLICATION INFO.:	US 1991-718577		19910620 (7)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1990-541108, filed on 20 Jun 1990		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Scheiner, Toni R.		
ASSISTANT EXAMINER:	Wortman, Donna C.		
LEGAL REPRESENTATIVE:	Townsend and Townsend Khourie and Crew		

NUMBER OF CLAIMS: 12
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 10 Drawing Figure(s); 7 Drawing Page(s)
LINE COUNT: 1739

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Peptides which bind to selected receptors are identified by screening libraries which encode a random or controlled collection of amino acids. Peptides encoded by the libraries are expressed as fusion proteins of bacteriophage coat proteins, and bacteriophage are then screened against the receptors of interest. Peptides having a wide variety of uses, such as therapeutic or diagnostic reagents, may thus be identified without any prior information on the structure of the expected ligand or receptor.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 23 OF 24 USPATFULL

ACCESSION NUMBER: 95:29292 USPATFULL
TITLE: Viruses expressing chimeric binding proteins
INVENTOR(S): Ladner, Robert C., Ijamsville, MD, United States
Guterman, Sonia K., Belmont, MA, United States
Roberts, Bruce L., Milford, MA, United States
Markland, William, Milford, MA, United States
Ley, Arthur C., Newton, MA, United States
Kent, Rachel B., Boxborough, MA, United States
PATENT ASSIGNEE(S): Protein Engineering Corporation, Cambridge, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5403484		19950404
APPLICATION INFO.:	US 1993-9319		19930126 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1991-664989, filed on 1 Mar 1991, now patented, Pat. No. US 5223409 which is a continuation-in-part of Ser. No. US 1990-487063, filed on 2 Mar 1990, now abandoned which is a continuation-in-part of Ser. No. US 1988-240160, filed on 2 Sep 1988, now abandoned		

	NUMBER	DATE
PRIORITY INFORMATION:	WO 1989-3731	19890901
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Hill, Jr., Robert J.	
ASSISTANT EXAMINER:	Ulm, John D.	
LEGAL REPRESENTATIVE:	Cooper, Iver P.	
NUMBER OF CLAIMS:	49	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	16 Drawing Figure(s); 16 Drawing Page(s)	
LINE COUNT:	14368	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB In order to obtain a novel binding protein against a chosen target, DNA molecules, each encoding a protein comprising one of a family of similar potential binding domains and a structural signal calling for the display of the protein on the outer surface of a chosen bacterial cell, bacterial spore or phage (genetic package) are introduced into a genetic package. The protein is expressed and the potential binding domain is displayed on the outer surface of the package. The cells or viruses bearing the binding domains which recognize the target molecule are isolated and amplified. The successful binding domains are then characterized. One or more of these successful binding domains is used as a model for the design of a new family of potential binding domains, and the process is repeated until a novel binding domain having a desired affinity for the target molecule is obtained. In one embodiment,

the first family of potential binding domains is related to bovine pancreatic trypsin inhibitor, the genetic package is M13 phage, and the protein includes the outer surface transport signal of the M13 gene III protein.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 24 OF 24 USPATFULL

ACCESSION NUMBER: 93:52487 USPATFULL

TITLE: Directed evolution of novel binding proteins

INVENTOR(S): Ladner, Robert C., Ijamsville, MD, United States

Guterman, Sonia K., Belmont, MA, United States

Roberts, Bruce L., Milford, MA, United States

Markland, William, Milford, MA, United States

Ley, Arthur C., Newton, MA, United States

Kent, Rachel B., Boxborough, MA, United States

PATENT ASSIGNEE(S): Protein Engineering Corp., Cambridge, MA, United States
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5223409		19930629
APPLICATION INFO.:	US 1991-664989		19910301 (7)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1990-487063, filed on 2 Mar 1990, now abandoned And a continuation-in-part of Ser. No. US 1988-240160, filed on 2 Sep 1988, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Hill, Jr., Robert J.		
ASSISTANT EXAMINER:	Ulm, John D.		
LEGAL REPRESENTATIVE:	Cooper, Iver P.		
NUMBER OF CLAIMS:	66		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	16 Drawing Figure(s); 16 Drawing Page(s)		
LINE COUNT:	15410		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB In order to obtain a novel binding protein against a chosen target, DNA molecules, each encoding a protein comprising one of a family of similar potential binding domains and a structural signal calling for the display of the protein on the outer surface of a chosen bacterial cell, bacterial spore or phage (genetic package) are introduced into a genetic package. The protein is expressed and the potential binding domain is displayed on the outer surface of the package. The cells or viruses bearing the binding domains which recognize the target molecule are isolated and amplified. The successful binding domains are then characterized. One or more of these successful binding domains is used as a model for the design of a new family of potential binding domains, and the process is repeated until a novel binding domain having a desired affinity for the target molecule is obtained. In one embodiment, the first family of potential binding domains is related to bovine pancreatic trypsin inhibitor, the genetic package is M13 phage, and the protein includes the outer surface transport signal of the M13 gene III protein.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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FILE 'HOME' ENTERED AT 19:32:20 ON 16 MAY 2003

=> index bioscience

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FULL ESTIMATED COST

INDEX 'ADISTTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CCNFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 19:32:30 ON 16 MAY 2003

66 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view search error messages that display as 0* with SET DETAIL OFF.

=> s (four (w) (helix or helical) (w) bundle)) and fusion and proline?

UNMATCHED RIGHT PARENTHESIS 'BUNDLE)) AND'

The number of right parentheses in a query must be equal to the number of left parentheses.

=> s (four (w) (helix or helical) (w) bundle) and fusion and proline?

20 FILES SEARCHED...

39 FILES SEARCHED...

62 FILE USPATFULL

61 FILES SEARCHED...

2 FILE USPAT2

2 FILES HAVE ONE OR MORE ANSWERS, 66 FILES SEARCHED IN STNINDEX

L1 QUE (FOUR (W) (HELIX OR HELICAL) (W) BUNDLE) AND FUSION AND PROLINE?

=> file hits

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
20.90	21.11

FULL ESTIMATED COST

FILE 'USPATFULL' ENTERED AT 19:55:33 ON 16 MAY 2003

CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 19:55:33 ON 16 MAY 2003

CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

=> s l1

L2 62 FILE USPATFULL

L3 2 FILE USPAT2

TOTAL FOR ALL FILES

L4 64 L1

=> dup rem l4

PROCESSING COMPLETED FOR L4

L5 62 DUP REM L4 (2 DUPLICATES REMOVED)

=> d l5 1-62 ibib abs

L5 ANSWER 1 OF 62 USPATFULL

DUPLICATE 1

ACCESSION NUMBER: 2003:93561 USPATFULL

TITLE: G-CSF conjugates

INVENTOR(S): Nissen, Torben Lauesgaard, Frederiksberg, DENMARK
Andersen, Kim Vilbourn, Broenshoej, DENMARK
Hansen, Christian Karsten, Vedbaek, DENMARK
Mikkelsen, Jan Moller, Gentofte, DENMARK

Schambye, Hans Thalsgaard, Frederiksberg, DENMARK

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003064922	A1	20030403
	US 6555660	B2	20030429
APPLICATION INFO.:	US 2001-904196	A1	20010711 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2001-760008, filed on 10 Jan 2001, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	DK 2000-24	20000110
	DK 2000-341	20000302
	DK 2000-943	20000616
	US 2000-176376P	20000114 (50)
	US 2000-189506P	20000315 (50)
	US 2000-215644P	20000630 (50)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	MAXYGEN, INC., 515 GALVESTON DRIVE, RED WOOD CITY, CA, 94063	
NUMBER OF CLAIMS:	25	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	7 Drawing Page(s)	
LINE COUNT:	3881	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

AB The invention relates to polypeptide conjugates comprising a polypeptide exhibiting G-CSF activity and having an amino acid sequence that differs from the amino acid sequence of human G-CSF in at least one specified introduced and/or removed amino acid residue comprising an attachment group for a non-polypeptide moiety, and having at least one non-polypeptide moiety attached to an attachment group of the polypeptide. The attachment group may e.g. be a lysine, cysteine, aspartic acid or glutamic acid residue or a glycosylation site, and the non-polypeptide moiety may e.g. be a polymer such as polyethylene glycol or an oligosaccharide. The conjugate, which has a reduced in vitro bioactivity compared to hG-CSF, has one or more improved properties such as increased biological half-life and increased stimulation of neutrophils.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 2 OF 62 USPATFULL DUPLICATE 2
ACCESSION NUMBER: 2003:17410 USPATFULL
TITLE: Interferon-epsilon
INVENTOR(S): Conklin, Darrell C., Seattle, WA, UNITED STATES
Grant, Francis J., Seattle, WA, UNITED STATES
Rixon, Mark W., Issaquah, WA, UNITED STATES
Kindsvogel, Wayne, Seattle, WA, UNITED STATES
PATENT ASSIGNEE(S): ZymoGenetics, Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003013162	A1	20030116
	US 6544505	B2	20030408
APPLICATION INFO.:	US 2001-971843	A1	20011104 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1999-397992, filed on 16 Sep 1999, GRANTED, Pat. No. US 6329175		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-101012P	19980918 (60)
	US 1999-118578P	19990205 (60)
	US 1999-142766P	19990708 (60)

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: Phillip B.C. Jones, J.D., Ph.D., Patent Department,
 ZymoGenetics, Inc., 1201 Eastlake Avenue East, Seattle,
 WA, 98102
 NUMBER OF CLAIMS: 35
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 4 Drawing Page(s)
 LINE COUNT: 5546
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Interferons represent an important class of biopharmaceutical products, which have a proven track record in the treatment of a variety of medical conditions, including the treatment of certain autoimmune diseases, the treatment of particular cancers, and the enhancement of the immune response against infectious agents. To date, four types of interferons have been found in humans: interferon-.alpha., interferon-.beta., interferon-.gamma., and interferon-.omega.. The present invention provides new forms of human and murine interferon, "interferon-.epsilon.," which have applications in diagnosis and therapy.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 3 OF 62 USPATFULL

ACCESSION NUMBER: 2003:126708 USPATFULL
 TITLE: Therapeutic agents comprising pro-apoptotic proteins
 INVENTOR(S): Rosenblum, Michael G., Houston, TX, UNITED STATES
 Liu, Yuying, Houston, TX, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003086919	A1	20030508
APPLICATION INFO.:	US 2002-196793	A1	20020717 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-306091P	20010717 (60)
	US 2001-332886P	20011106 (60)
	US 2002-360361P	20020228 (60)

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: FULBRIGHT & JAWORSKI, LLP, 1301 MCKINNEY, SUITE 5100,
 HOUSTON, TX, 77010-3095
 NUMBER OF CLAIMS: 61
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 34 Drawing Page(s)
 LINE COUNT: 6367

AB The present invention relates to targeted killing of a cell utilizing a chimeric polypeptide comprising a cell-specific targeting moiety and a signal transduction pathway factor. In a preferred embodiment, the signal transduction pathway factor is an apoptosis-inducing factor, such as granzyme B, granzyme A, or Bax.

L5 ANSWER 4 OF 62 USPATFULL

ACCESSION NUMBER: 2003:121987 USPATFULL
 TITLE: Fish growth hormones
 INVENTOR(S): Chang, Chi-Yao, Taipei, TAIWAN, PROVINCE OF CHINA
 Ting, Jing-Wen, Taipei, TAIWAN, PROVINCE OF CHINA
 Leu, Kuen-Lin, Tai-Bao City, TAIWAN, PROVINCE OF CHINA
 Lin, Chih-Hung, Tainan City, TAIWAN, PROVINCE OF CHINA
 Chang, Chia-Ching, Hsinchu City, TAIWAN, PROVINCE OF CHINA
 Tsai, Chih-Tung, Taipei, TAIWAN, PROVINCE OF CHINA

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003084469	A1	20030501
APPLICATION INFO.:	US 2002-191879	A1	20020709 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2000-549831, filed on 14 Apr 2000, GRANTED, Pat. No. US 6429335		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	FISH & RICHARDSON PC, 225 FRANKLIN ST, BOSTON, MA, 02110		
NUMBER OF CLAIMS:	5		
EXEMPLARY CLAIM:	1		
LINE COUNT:	648		
AB	The invention relates to new fish growth hormones, nucleic acids encoding them, and transgenic fish that express them.		

L5 ANSWER 5 OF 62 USPATFULL

ACCESSION NUMBER: 2003:113451 USPATFULL
 TITLE: Combinatorial protein domains
 INVENTOR(S): Winter, Gregory Paul, Cambridge, UNITED KINGDOM
 Riechmann, Lutz, Cambridge, UNITED KINGDOM

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003078192	A1	20030424
APPLICATION INFO.:	US 2002-119556	A1	20020410 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2001-938945, filed on 24 Aug 2001, PENDING Continuation-in-part of Ser. No. WO 2001-GB445, filed on 2 Feb 2001, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	GB 2000-2492	20000203
	GB 2000-19362	20000807
	GB 2000-16346	20000703
	US	
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	PALMER & DODGE, LLP, KATHLEEN M. WILLIAMS, 111 HUNTINGTON AVENUE, BOSTON, MA, 02199	
NUMBER OF CLAIMS:	79	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	4 Drawing Page(s)	
LINE COUNT:	4574	

AB The invention relates to a pharmaceutical composition comprising a chimeric, folded protein domain comprising two or more sequence segments from parent amino acid sequences that are not homologous. The invention more particularly relates to compositions comprising a chimeric, folded protein domain comprising two or more sequence segments wherein each of the sequence segments: is not designed or selected to consist solely of a single complete protein structural element and is not designed or selected to consist solely of an entire protein domain; and, in isolation, shows no significant folding at the melting temperature of the chimeric protein. The invention also relates to methods for the selection of such protein domains, and to methods of raising an immune response using such domains, and preferably to chimeric domains that display conformational B cell epitopes of at least one of their parent amino acid sequences.

L5 ANSWER 6 OF 62 USPATFULL

ACCESSION NUMBER: 2003:99695 USPATFULL
 TITLE: Use of streptococcus pneumoniae acyl carrier protein synthase crystal structure in diagnostics,

antimicrobial drug design, and biosensors
 INVENTOR(S): Chirgadze, Nicholas Yuri, Indianapolis, IN, UNITED STATES
 Briggs, Stephen Lyle, Indianapolis, IN, UNITED STATES
 Zhao, Genshi, Indianapolis, IN, UNITED STATES
 McAllister, Kelly Ann, Indianapolis, IN, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003068802	A1	20030410
APPLICATION INFO.:	US 2001-897645	A1	20010629 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-215577P	20000630 (6C)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	ELI LILLY AND COMPANY, PATENT DIVISION, P.O. BOX 6288, INDIANAPOLIS, IN, 46206-6288	
NUMBER OF CLAIMS:	31	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	9 Drawing Page(s)	
LINE COUNT:	14574	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Provided are methods of purifying and crystallizing Streptococcus pneumoniae acyl carrier protein synthase (AcpS) enzyme, crystals of AcpS, the use of such crystals to determine the three-dimensional structure of AcpS enzymes, and the three-dimensional structure of AcpS. The three-dimensional crystal structure of AcpS can be used in medical diagnostics to produce antibodies that permit detection of Streptococcus pneumoniae both in vitro and in vivo. The three-dimensional crystal structure of AcpS can also be used in pharmaceutical discovery and development to identify and design compounds that inhibit the biochemical activity of AcpS enzyme in bacteria. Inhibitory compounds identified in this way can be optimized by structure/activity studies to develop antibacterial pharmaceutical compounds useful for the prevention or treatment of bacterial infections.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 7 OF 62 USPATFULL
 ACCESSION NUMBER: 2003:93120 USPATFULL
 TITLE: Helical cytokine zalpha33
 INVENTOR(S): Conklin, Darrell C., Seattle, WA, UNITED STATES
 Gao, Zeren, Redmond, WA, UNITED STATES
 PATENT ASSIGNEE(S): ZymoGenetics, Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003064479	A1	20030403
APPLICATION INFO.:	US 2002-139667	A1	20020502 (10)
RELATED APPLN. INFO.:	Division of Ser. No. US 2000-593995, filed on 14 Jun 2000, GRANTED, Pat. No. US 6406888		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-139121P	19990614 (6C)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Gary E. Parker, ZymoGenetics, Inc., Patent Department, 1201 Eastlake Avenue East, Seattle, WA, 98102	
NUMBER OF CLAIMS:	33	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	5 Drawing Page(s)	
LINE COUNT:	3013	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Novel cytokine polypeptides, materials and methods for making them, and method of use are disclosed. The polypeptides comprise at least nine contiguous amino acid residues of SEQ ID NO:2 or SEQ ID NO:4, and may be prepared as polypeptide **fusions** comprise heterologous sequences, such as affinity tags. The polypeptides and polynucleotides encoding them may be used within a variety of therapeutic, diagnostic, and research applications.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 8 OF 62 USPATFULL

ACCESSION NUMBER: 2003:51159 USPATFULL

TITLE: Exonuclease-mediated nucleic acid reassembly in directed evolution

INVENTOR(S): Short, Jay M., Rancho Santa Fe, CA, UNITED STATES

PATENT ASSIGNEE(S): Diversa Corporation (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003036116	A1	20030220
APPLICATION INFO.:	US 2002-108077	A1	20020326 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2000-535754, filed on 27 Mar 2000, GRANTED, Pat. No. US 6361974		
	Continuation-in-part of Ser. No. US 2000-522289, filed on 9 Mar 2000, GRANTED, Pat. No. US 6358709		
	Continuation-in-part of Ser. No. US 2000-498557, filed on 4 Feb 2000, PENDING Continuation-in-part of Ser. No. US 2000-495052, filed on 31 Jan 2000, PENDING		
	Continuation-in-part of Ser. No. US 1999-332835, filed on 14 Jun 1999, ABANDONED Continuation-in-part of Ser. No. US 1999-276860, filed on 26 Mar 1999, GRANTED, Pat. No. US 6352842 Continuation-in-part of Ser. No. US 1999-267118, filed on 9 Mar 1999, GRANTED, Pat. No. US 6238884 Continuation-in-part of Ser. No. US 1999-246178, filed on 4 Feb 1999, GRANTED, Pat. No. US 6171820 Continuation-in-part of Ser. No. US 1998-185373, filed on 3 Nov 1998, GRANTED, Pat. No. US 6335179 Continuation of Ser. No. US 1996-760489, filed on 5 Dec 1996, GRANTED, Pat. No. US 5830696 Continuation-in-part of Ser. No. US 1996-677112, filed on 9 Jul 1996, GRANTED, Pat. No. US 5965408		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1995-8311P	19951207 (60)
	US 1995-8316P	19951207 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	JANE M. LOVE, PH.D., HALE AND DORR LLP, 300 PARK AVENUE, NEW YORK, NY, 10022	
NUMBER OF CLAIMS:	1	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	6 Drawing Page(s)	
LINE COUNT:	8979	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention provides methods of obtaining novel polynucleotides and encoded polypeptides by the use of non-stochastic methods of directed evolution (DirectEvolution.TM.). A particular advantage of exonuclease-mediated reassembly methods is the ability to reassemble nucleic acid strands that would otherwise be problematic to chimerize. Exonuclease-mediated reassembly methods can be used in combination with other mutagenesis methods provided herein. These methods include non-stochastic polynucleotide site-saturation mutagenesis (Gene Site Saturation Mutagenesis.TM.) and non-stochastic polynucleotide reassembly

(GeneReassembly.TM.). This invention provides methods of obtaining novel enzymes that have optimized physical &/or biological properties. Through use of the claimed methods, genetic vaccines, enzymes, small molecules, and other desirable molecules can be evolved towards desirable properties. For example, vaccine vectors can be obtained that exhibit increased efficacy for use as genetic vaccines. Vectors obtained by using the methods can have, for example, enhanced antigen expression, increased uptake into a cell, increased stability in a cell, ability to tailor an immune response, and the like. Furthermore, this invention provides methods of obtaining a variety of novel biologically active molecules, in the fields of antibiotics, pharmacotherapeutics, and transgenic traits.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 9 OF 62 USPATFULL

ACCESSION NUMBER: 2003:38117 USPATFULL
 TITLE: Novel therapeutic and prophylactic agents and methods of using same
 INVENTOR(S): Gopalakrishnakone, Ponnampalam, Singapore, SINGAPORE
 Thwin, Maung-Maung, Singapore, SINGAPORE
 Jeyaseelan, Kandiah, Melbourne, AUSTRALIA
 Armugam, Arunmozhiarasi, Singapore, SINGAPORE

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003027764	A1	20030206
APPLICATION INFO.:	US 2002-163499	A1	20020607 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. WO 2000-SG201, filed on 7 Dec 2000, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	SG 1999-6237	19991208
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BIRCH STEWART KOLASCH & BIRCH, PO BOX 747, FALLS CHURCH, VA, 22040-0747	
NUMBER OF CLAIMS:	21	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	10 Drawing Page(s)	
LINE COUNT:	3836	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A phospholipase A.sub.2 inhibitor protein designated "Phospholipase Inhibitor from Python" (PIP)--formerly designated "Python Antitoxic Factor" (PAF)--is given by SEQ ID NO:2. The partial amino acid sequence for PIP was initially determined from the native protein purified from the blood serum of a non-venomous snake, Python reticulatus. The complete PIP polynucleotide sequence was obtained from a cDNA clone encoding PIP, given by SEQ ID NO:1, along with the full amino acid sequence deduced from it. Also disclosed is a recombinant protein PIP, which shows strong lethal toxin neutralizing activity similar to the native PIP, and has potent anti-inflammatory activity. Both the native and the functionally equivalent recombinant PIP are useful for the prevention or treatment of conditions such as snakebites, insect stings, and inflammatory diseases. Also, phospholipase A.sub.2 (PLA.sub.2) inhibitory polypeptides designated P-0029, P-0009, and P-0006, the sequences of which are given as SEQ ID NO:10, SEQ ID NO:11, and SEQ ID NO:12, respectively, are disclosed. Those polypeptides, and their synthetic chemical analogues and polypeptide variants that inhibit PLA.sub.2 activity and alleviate inflammation, may also be used in the diagnosis, study, prevention, and treatment of PLA.sub.2-related human inflammatory diseases.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 10 OF 62 USPATFULL

ACCESSION NUMBER: 2003:17041 USPATFULL
TITLE: Treatment of inflammatory bowel disease with IFN-gamma inhibitors
INVENTOR(S): Ashkenazi, Avi J., San Mateo, CA, UNITED STATES
Ward, Rebecca H.R., San Francisco, CA, UNITED STATES
PATENT ASSIGNEE(S): Genentech, Inc., South San Francisco, CA, UNITED STATES, 94080 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003012790	A1	20030116
APPLICATION INFO.:	US 2002-194835	A1	20020712 (10)
RELATED APPLN. INFO.:	Division of Ser. No. US 1994-190204, filed on 22 Feb 1994, PENDING A 371 of International Ser. No. WO 1993-US11966, filed on 9 Dec 1993, PENDING A 371 of International Ser. No. US 1992-997835, filed on 29 Dec 1992, ABANDONED		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	MERCHANT & GOULD PC, P.O. BOX 2903, MINNEAPOLIS, MN, 55402-0903		
NUMBER OF CLAIMS:	29		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	6 Drawing Page(s)		
LINE COUNT:	2132		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention concerns a method for the prevention or treatment of inflammatory bowel disease by administering an interferon-gamma inhibitor. The invention further concerns pharmaceutical compositions and bispecific molecules useful in such method.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 11 OF 62 USPATFULL

ACCESSION NUMBER: 2003:17038 USPATFULL
TITLE: Treatment of inflammatory bowel disease with IFN-gamma inhibitors
INVENTOR(S): Ashkenazi, Avi J., San Mateo, CA, UNITED STATES
Ward, Rebecca H.R., San Francisco, CA, UNITED STATES
PATENT ASSIGNEE(S): Genentech, Inc., South San Francisco, CA, UNITED STATES, 94080 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003012787	A1	20030116
APPLICATION INFO.:	US 2002-193782	A1	20020712 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1994-190204, filed on 22 Feb 1994, PENDING A 371 of International Ser. No. WO 1993-US11966, filed on 9 Dec 1993, PENDING Continuation of Ser. No. US 1992-997835, filed on 29 Dec 1992, ABANDONED		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	MERCHANT & GOULD PC, P.O. BOX 2903, MINNEAPOLIS, MN, 55402-0903		
NUMBER OF CLAIMS:	29		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	6 Drawing Page(s)		
LINE COUNT:	2143		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention concerns a method for the prevention or treatment of inflammatory bowel disease by administering an interferon-gamma inhibitor. The invention further concerns pharmaceutical compositions

and bispecific molecules useful in such method.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 12 OF 62 USPATFULL

ACCESSION NUMBER: 2003:129811 USPATFULL
TITLE: Saturation mutagenesis in directed evolution
INVENTOR(S): Short, Jay M., Rancho Santa Fe, CA, United States
PATENT ASSIGNEE(S): Diversa Corporation, San Diego, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6562594	B1	20030513
APPLICATION INFO.:	US 2001-756459		20010108 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2000-594459, filed on 14 Jun 2000 Continuation-in-part of Ser. No. US 2000-522289, filed on 9 Mar 2000, now patented, Pat. No. US 6359709 Continuation-in-part of Ser. No. US 2000-498557, filed on 4 Feb 2000, now abandoned Continuation-in-part of Ser. No. US 2000-495052, filed on 31 Jan 2000, now patented, Pat. No. US 6479258		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-156815P	19990929 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Park, Hankyel T.	
LEGAL REPRESENTATIVE:	Hale and Dorr LLP, Love, Jane M.	
NUMBER OF CLAIMS:	6	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Figure(s); 2 Drawing Page(s)	
LINE COUNT:	3941	

AB Disclosed is a rapid and facilitated method of producing from a parental template polynucleotide, a set of mutagenized progeny polynucleotides whereby at each original codon position there is produced at least one substitute codon encoding each of the 20 naturally encoded amino acids. Accordingly, there is also provided a method of producing from a parental template polypeptide, a set of mutagenized progeny polypeptides wherein each of the 20 naturally encoded amino acids is represented at each original amino acid position. The method provided is termed site-saturation mutagenesis, or simply saturation mutagenesis, and can be used in combination with other mutagenization processes, such as, for example, a process wherein two or more related polynucleotides are introduced into a suitable host cell such that a hybrid polynucleotide is generated by recombination and reductive reassortment. Also provided are vector and expression vehicles including such polynucleotides, polypeptides expressed by the hybrid polynucleotides and a method for screening for hybrid polypeptides.

L5 ANSWER 13 OF 62 USPATFULL

ACCESSION NUMBER: 2003:123080 USPATFULL
TITLE: Treatment of inflammatory bowel disease with IFN- γ inhibitors
INVENTOR(S): Ashkenazi, Avi J., San Mateo, CA, United States
Ward, Rebecca H. R., San Francisco, CA, United States
PATENT ASSIGNEE(S): Genentech, Inc., South San Francisco, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6558661	B1	20030506
	WO 9414467		19940707

APPLICATION INFO.: US 1994-190204 19940222 .8
 WO 1993-US11966 19931109
 19940122 PCT 371 date

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1992-997835, filed
 on 29 Dec 1992, now abandoned

DOCUMENT TYPE: Utility
 FILE SEGMENT: GRANTED
 PRIMARY EXAMINER: Eyler, Yvonne
 ASSISTANT EXAMINER: Basi, Nirmal S.
 LEGAL REPRESENTATIVE: Merchant & Gould, P.C.
 NUMBER OF CLAIMS: 28
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 15 Drawing Figure(s); 7 Drawing Page(s)
 LINE COUNT: 2421

AB The invention concerns a method for the prevention or treatment of
 inflammatory bowel disease by administering an interferon-.gamma.
 inhibitor. The invention further concerns pharmaceutical compositions
 and bispecific molecules useful in such method.

L5 ANSWER 14 OF 62 USPATFULL

ACCESSION NUMBER: 2003:81600 USPATFULL

TITLE: Synthetic ligation reassembly in directed evolution

INVENTOR(S): Short, Jay M., Encinitas, CA, United States

PATENT ASSIGNEE(S): Diversa Corporation, San Diego, CA, United States (U.S.
 corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6537776	B1	20030325
APPLICATION INFO.:	US 1999-332835		19990614 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Park, Hankyel T.		
LEGAL REPRESENTATIVE:	Hale and Dorr LLP, Love, Jane M.		
NUMBER OF CLAIMS:	15		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	20 Drawing Figure(s); 18 Drawing Page(s)		
LINE COUNT:	5722		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Harvesting the full richness of biodiversity is instantly recognized by
 Diversa Corporation as a powerful means to access both novel molecules
 having direct commercial utility as well as molecular templates that
 could be retooled to acquire commercial utility. A directed evolution
 process for rapid and facilitated production from a progenitor
 polynucleotide template, of a library of mutagenized progeny
 polynucleotides wherein each of the 20 naturally encoded amino acids is
 encoded at each original codon position. This method, termed
 site-saturation mutagenesis, or simply saturation mutagenesis, is
 preferably based on the use of the degenerate N,N,G/T sequence. Also, a
 method of non-stochastically producing a library of chimeric nucleic
 acid molecules having an overall assembly order that is chosen by
 design. Accordingly, a set of progenitor templates, such as genes (e.g.
 a family of esterase genes) or genes pathways (e.g. encoding
 antibiotics) can be shuffled to generate a sizable library of distinct
 progeny polynucleotide molecules (e.g. 10.sup.100) and correspondingly
 encoded polypeptides. Screening of these polynucleotide libraries
 enables the identification of a desirable molecular species that has a
 desirable property, such as a specific enzymatic activity serviceable
 for a commercial application, or a novel antibiotic. Also, a method of
 retooling genes and gene pathways by the introduction of regulatory
 sequences, such as promoters, that are operable in an intended host,
 thus conferring operability to a novel gene pathway when it is
 introduced into an intended host. For example a novel man-made gene
 pathway, generated based on microbially-derived progenitor templates,

that is operable in a plant cell.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 15 OF 62 USPATFULL

ACCESSION NUMBER: 2003:67830 USPATFULL

TITLE: **Four-helical bundle**
protein zsig81

INVENTOR(S): Piddington, Christopher S., Thousand Oaks, CA, United States

West, James W., Seattle, WA, United States

Holly, Richard D., Seattle, WA, United States

Burkhead, Steven K., Hershey, PA, United States

PATENT ASSIGNEE(S): ZymoGenetics, Inc., Seattle, WA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6531576	B1	20030311
APPLICATION INFO.:	US 2000-585228		20000601 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-137057P	19990601 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Romeo, David S.	
LEGAL REPRESENTATIVE:	Sawislak, Deborah A.	
NUMBER OF CLAIMS:	9	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	1 Drawing Figure(s); 4 Drawing Page(s)	
LINE COUNT:	3953	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This present invention is directed to polypeptide and polynucleotide molecules that encode a **four-helical bundle** cytokine. The cytokine has been designated zsig81, and has restricted expression in primarily heart, lung and liver. zsig81 has been shown to stimulate proliferation of hematopoietic cells and will be useful expansion of these cells, as well as conditions associated with hematopoietic cells. The invention is directed to antibodies and methods of making zsig81 polypeptides, as well.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 16 OF 62 USPATFULL

ACCESSION NUMBER: 2002:300832 USPATFULL

TITLE: Biosynthetic binding proteins for immuno-targeting

INVENTOR(S): Houston, James S., Chestnut Hill, MA, UNITED STATES

Houston, L. L., Oakland, CA, UNITED STATES

Ring, David B., Redwood City, CA, UNITED STATES

Oppermann, Hermann, Medway, MA, UNITED STATES

PATENT ASSIGNEE(S): Chiron Corporation (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002168375	A1	20021114
APPLICATION INFO.:	US 2001-887853	A1	20010621 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2000-558741, filed on 26 Apr 2000, PENDING Continuation of Ser. No. US 1995-462641, filed on 5 Jun 1995, ABANDONED		
	Continuation of Ser. No. US 1993-133804, filed on 7 Oct 1993, GRANTED, Pat. No. US 5534254 Continuation-in-part of Ser. No. US 1992-831967, filed on 6 Feb 1992, ABANDONED		
DOCUMENT TYPE:	Utility		

FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Joseph H. Guth, Esq., CHIRON CORPORATION, Intellectual
Property - R440, P.O. Box 8097, Emeryville, CA,
94662-8097

NUMBER OF CLAIMS: 49
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 6 Drawing Page(s)
LINE COUNT: 1989

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed is a formulation for targeting an epitope on an antigen expressed in a mammal. The formulation comprises a pharmaceutically acceptable carrier together with a dimeric biosynthetic construct for binding at least one preselected antigen. The biosynthetic construct contains two polypeptide chains, each of which define single-chain Fv (sFv) binding proteins and have C-terminal tails that facilitate the crosslinking of two sFv polypeptides. The resulting dimeric constructs have a conformation permitting binding of a said preselected antigen by the binding site of each said polypeptide chain when administered to said mammal. The formulation has particular utility in in vivo imaging and drug targeting experiments.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 17 OF 62 USPATFULL

ACCESSION NUMBER: 2002:272761 USPATFULL
TITLE: Directed evolution of novel binding proteins
INVENTOR(S): Ladner, Robert Charles, Ijamsville, MD, UNITED STATES
Guterman, Sonia Kosow, Belmont, MA, UNITED STATES
Roberts, Bruce Lindsay, Milford, MA, UNITED STATES
Markland, William, Milford, MA, UNITED STATES
Ley, Arthur Charles, Newton, MA, UNITED STATES
Kent, Rachel Baribault, Boxborough, MA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002150881	A1	20021017
APPLICATION INFO.:	US 2001-781988	A1	20010214 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1998-192067, filed on 16 Nov 1998, ABANDONED Continuation of Ser. No. US 1995-415922, filed on 3 Apr 1995, PATENTED Continuation of Ser. No. US 1993-9319, filed on 26 Jan 1993, PATENTED Division of Ser. No. US 1991-664989, filed on 1 Mar 1991, PATENTED Continuation-in-part of Ser. No. US 1990-487063, filed on 2 Mar 1990, ABANDONED Continuation-in-part of Ser. No. US 1988-240160, filed on 2 Sep 1988, ABANDONED		

	NUMBER	DATE
PRIORITY INFORMATION:	WO 1989-US3731	19890901
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BROWDY AND NEIMARK, P.L.L.C., 624 Ninth Street, N.W., Washington, DC, 20001	
NUMBER OF CLAIMS:	13	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	16 Drawing Page(s)	
LINE COUNT:	15696	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB In order to obtain a novel binding protein against a chosen target, DNA molecules, each encoding a protein comprising one of a family of similar potential binding domains and a structural signal calling for the display of the protein on the outer surface of a chosen bacterial cell, bacterial spore or phage (genetic package) are introduced into a genetic package. The protein is expressed and the potential binding domain is

displayed on the outer surface of the package. The cells or viruses bearing the binding domains which recognize the target molecule are isolated and amplified. The successful binding domains are then characterized. One or more of these successful binding domains is used as a model for the design of a new family of potential binding domains, and the process is repeated until a novel binding domain having a desired affinity for the target molecule is obtained. In one embodiment, the first family of potential binding domains is related to bovine pancreatic trypsin inhibitor, the genetic package is M13 phage, and the protein includes the outer surface transport signal of the M13 gene III protein.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 18 OF 62 USPATFULL

ACCESSION NUMBER: 2002:265886 USPATFULL
 TITLE: End selection in directed evolution
 INVENTOR(S): Short, Jay M., Rancho Santa Fe, CA, UNITED STATES
 Frey, Gerhard Jchann, San Diego, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002146762	A1	20021010
APPLICATION INFO.:	US 2001-885551	A1	20010619 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2000-522289, filed on 9 Mar 2000, PATENTED Continuation-in-part of Ser. No. US 2000-498557, filed on 4 Feb 2000, PENDING Continuation-in-part of Ser. No. US 2000-495052, filed on 31 Jan 2000, PENDING Continuation-in-part of Ser. No. US 1999-332835, filed on 14 Jun 1999, ABANDONED Continuation-in-part of Ser. No. US 1999-276860, filed on 26 Mar 1999, PATENTED Continuation-in-part of Ser. No. US 1999-267118, filed on 9 Mar 1999, PATENTED Continuation-in-part of Ser. No. US 1999-246178, filed on 4 Feb 1999, PATENTED Continuation-in-part of Ser. No. US 1998-185373, filed on 3 Nov 1998, PATENTED Continuation of Ser. No. US 1996-760489, filed on 5 Dec 1996, PATENTED		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1995-8311P	19951207 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	GARY CARY WARE & FRIENDENRICH LLP, 4365 EXECUTIVE DRIVE, SUITE 1600, SAN DIEGO, CA, 92121-2189	
NUMBER OF CLAIMS:	4	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	7 Drawing Page(s)	
LINE COUNT:	8987	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention provides methods of obtaining novel polynucleotides and encoded polypeptides by the use of non-stochastic methods of directed evolution (DirectEvolution.TM.). A particular advantage of end-selection-based methods is the ability to recover full-length polynucleotides from a library of progeny molecules generated by mutagenesis methods. These methods include non-stochastic polynucleotide site-saturation mutagenesis (Gene Site Saturation Mutagenesis.TM.) and non-stochastic polynucleotide reassembly (GeneReassembly.TM.). This invention provides methods of obtaining novel enzymes that have optimized physical &/or biological properties. Through use of the claimed methods, genetic vaccines, enzymes, small molecules, and other desirable molecules can be evolved towards desirable properties. For example, vaccine vectors, can be obtained that exhibit increased efficacy for use as genetic vaccines. Vectors obtained by using the

methods can have, for example, enhanced antigen expression, increased uptake into a cell, increased stability in a cell, ability to tailor an immune response, and the like. Furthermore, this invention provides methods of obtaining a variety of novel biologically active molecules, in the fields of antibiotics, pharmacotherapeutics, and transgenic traits.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 19 OF 62 USPATFULL

ACCESSION NUMBER: 2002:258845 USPATFULL

TITLE: Novel polypeptides and polynucleotides and methods of using them

INVENTOR(S): Koopman, Peter Anthony, Queensland, AUSTRALIA

Muscat, George Eugene Orlando, Queensland, AUSTRALIA

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002142415	A1	20021003
APPLICATION INFO.:	US 2001-814777	A1	20010323 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	AU 2000-6457	20000324
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HELLER EHRMAN WHITE & MCAULIFFE LLP, 1666 K STREET,NW, SUITE 300, WASHINGTON, DC, 20006	
NUMBER OF CLAIMS:	95	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	30 Drawing Page(s)	
LINE COUNT:	8487	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Novel isolated Sox18 molecules are described for use in modulating cell differentiation, vasculogenesis, angiogenesis and/or hair follicle development, and in compositions for treating and/or preventing conditions that are associated, at least in part, with aberrant Sox18 expression or that are ameliorable, at least in part, by modulation of Sox18 expression as described hereinafter. The present invention also describes modulatory agents that modulate the expression of subgroup F Sox genes and to the use of these agents for prophylactic and/or therapeutic purposes. Further, the invention describes antigen-binding molecules that are immuno-interactive with the polypeptides of the invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 20 OF 62 USPATFULL

ACCESSION NUMBER: 2002:258824 USPATFULL

TITLE: Exonuclease-mediated gene assembly in directed evolution

INVENTOR(S): Short, Jay M., Rancho Santa Fe, CA, UNITED STATES

PATENT ASSIGNEE(S): Diversa Corporation (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002142394	A1	20021003
APPLICATION INFO.:	US 2002-87426	A1	20020301 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1999-276860, filed on 26 Mar 1999, GRANTED, Pat. No. US 6352842		
	Continuation-in-part of Ser. No. US 1999-267118, filed on 9 Mar 1999, GRANTED, Pat. No. US 6238884		
	Continuation-in-part of Ser. No. US 1999-246178, filed on 4 Feb 1999, GRANTED, Pat. No. US 6171820		
	Continuation-in-part of Ser. No. US 1998-185373, filed		

on 3 Nov 1998, GRANTED, Pat. No. US 6335179
 Continuation of Ser. No. US 1996-760489, filed on 5 Dec
 1996, GRANTED, Pat. No. US 5830696 Continuation-in-part
 of Ser. No. US 1996-677112, filed on 9 Jul 1996,
 GRANTED, Pat. No. US 5965408

	NUMBER	DATE
PRIORITY INFORMATION:	US 1995-8311P	19951207 (60)
	US 1995-8316P	19951207 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HALE AND DORR LLP, 300 PARK AVENUE, NEW YORK, NY, 10022	
NUMBER OF CLAIMS:	1	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	1 Drawing Page(s)	
LINE COUNT:	4637	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A directed evolution process comprising novel methods for generating improved progeny molecules having desirable properties, including, for example, a method for rapid and facilitated production from a parental polynucleotide template, of a set of mutagenized progeny polynucleotides wherein at least one codon encoding each of the 20 naturally encoded amino acids is represented at each original codon position. This method, termed site-saturation mutagenesis, or simply saturation mutagenesis, is preferably based on the use of the degenerate N,N,G/T sequence. Also, a method of producing from a parental polypeptide template, a set of mutagenized progeny polypeptides wherein each of the 20 naturally encoded amino acids is represented at each original amino acid position. Also, other mutagenization processes that can be used in combination with, or in lieu of, saturation mutagenesis, including, for example: (a) assembly and/or reassembly of polynucleotide building blocks (including sections of genes &/or of gene families) mediated by a source of exonuclease activity such as exonuclease III; and (b) introduction of two or more related polynucleotides into a suitable host cell such that a hybrid polynucleotide is generated by recombination and reductive reassortment. Also molecular property screening methods, including a preferred method, termed end selection, comprised of using an enzyme, such as a topoisomerase, a restriction endonuclease, &/or a nicking enzyme (such as N. BstNB I), to detect a specific terminal sequence in a working polynucleotide, to produce a ligatable end thereat, and to ligate and clone the working polynucleotide.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 21 OF 62 USPATFULL

ACCESSION NUMBER: 2002:221318 USPATFULL
 TITLE: End selection in directed evolution
 INVENTOR(S): Short, Jay M., Rancho Santa Fe, CA, UNITED STATES
 Frey, Gerhard Johann, San Diego, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002119457	A1	20020829
APPLICATION INFO.:	US 2001-867262	A1	20010529 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1999-267118, filed on 9 Mar 1999, PATENTED Continuation-in-part of Ser. No. US 1999-246178, filed on 4 Feb 1999, PATENTED Continuation-in-part of Ser. No. US 1998-185373, filed on 3 Nov 1998, PATENTED Continuation-in-part of Ser. No. US 1996-760489, filed on 5 Dec 1996, PATENTED		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1995-8311P	19951207 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: GARY CARY WARE & FRIENDENRICH LLP, 4365 EXECUTIVE
DRIVE, SUITE 1600, SAN DIEGO, CA, 92121-2189
NUMBER OF CLAIMS: 12
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 5 Drawing Page(s)
LINE COUNT: 4507

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A directed evolution process comprising novel methods for generating improved progeny molecules having desirable properties, including, for example, a method for rapid and facilitated production from a parental polynucleotide template, of a set of mutagenized progeny polynucleotides wherein at least one codon encoding each of the 20 naturally encoded amino acids is represented at each original codon position. This method, termed site-saturation mutagenesis, or simply saturation mutagenesis, is preferably based on the use of the degenerate N,N,G/T sequence. Also, a method of producing from a parental polypeptide template, a set of mutagenized progeny polypeptides wherein each of the 20 naturally encoded amino acids is represented at each original amino acid position. Also, other mutagenization processes that can be used in combination with, or in lieu of, saturation mutagenesis, including, for example: (a) assembly and/or reassembly of polynucleotide building blocks, which building blocks can be sections of genes &/or of gene families; and (b) introduction of two or more related polynucleotides into a suitable host cell such that a hybrid polynucleotide is generated by recombination and reductive reassortment. Also, vector and expression vehicles including such polynucleotides and correspondingly expressed polypeptides. Also molecular property screening methods, including a preferred method, termed end selection, comprised of using an enzyme, such as a topoisomerase, a restriction endonuclease, &/or a nicking enzyme (such as N. BstNB I), to detect a specific terminal sequence in a working polynucleotide, to produce a ligatable end thereat, and to ligate and clone the working polynucleotide.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 22 OF 62 USPATFULL

ACCESSION NUMBER: 2002:206158 USPATFULL
TITLE: Novel polypeptides, modulatory agents therefor and
methods of using them
INVENTOR(S): Verhagen, Anne Marie, Northcote, AUSTRALIA
Ekert, Paul Gerald, Elsternwick, AUSTRALIA
Vaux, David Lawrence, Fairfield, AUSTRALIA
PATENT ASSIGNEE(S): The Walter and Eliza Hall Institute of Medical Research
of Royal Parade (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002110851	A1	20020815
APPLICATION INFO.:	US 2001-798116	A1	20010302 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	AU 2000-5995	20000302

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: AKIN, GUMP, STRAUSS, HAUER & FELD, L.L.P., ONE COMMERCE
SQUARE, 2005 MARKET STREET, SUITE 2200, PHILADELPHIA,
PA, 19103
NUMBER OF CLAIMS: 33
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 9 Drawing Page(s)
LINE COUNT: 3678
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A pro-apoptotic polypeptide, designated DIABLO, is disclosed which inhibits the activity of IAPs, including animal and viral IAPs. Also disclosed are methods of using DIABLO polypeptides and DIABLO-encoding polynucleotides to screen for modulatory agents that modulate the level and/or functional activity of DIABLO, as well as methods for detecting cell death or apoptosis, and for diagnosis of conditions relating to the expression or activation of DIABLO. The invention also discloses compositions for treating and/or preventing such DIABLO-related conditions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 23 OF 62 USPATFULL

ACCESSION NUMBER: 2002:191539 USPATFULL
TITLE: Full-length human cDNAs encoding potentially secreted proteins
INVENTOR(S): Milne Edwards, Jean-Baptiste Dumas, Paris, FRANCE
Bougueleret, Lydie, Petit Lancy, SWITZERLAND
Jobert, Severin, Paris, FRANCE

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002102604	A1	20020801
APPLICATION INFO.:	US 2000-731872	A1	20001207 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-169629P	19991208 (60)
	US 2000-187470P	20000306 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	John Lucas, Ph.D., J.D., Genset Corporation, 10665 Sorrento Valley Road, San Diego, CA, 92121-1609	
NUMBER OF CLAIMS:	29	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	5 Drawing Page(s)	
LINE COUNT:	28061	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention concerns GENSET polynucleotides and polypeptides. Such GENSET products may be used as reagents in forensic analyses, as chromosome markers, as tissue/cell/organelle-specific markers, in the production of expression vectors. In addition, they may be used in screening and diagnosis assays for abnormal GENSET expression and/or biological activity and for screening compounds that may be used in the treatment of GENSET-related disorders.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 24 OF 62 USPATFULL

ACCESSION NUMBER: 2002:85536 USPATFULL
TITLE: Solution structure of TNFR-1 DD and uses thereof
INVENTOR(S): Sukits, Steven F., Arlington, MA, UNITED STATES
Xu, Guang-Yi, Medford, MA, UNITED STATES
Lin, Lih-Ling, Concord, MA, UNITED STATES
Telliez, Jean-Baptiste, Waltham, MA, UNITED STATES
Hsu, Sang, Lexington, MA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002045578	A1	20020418
APPLICATION INFO.:	US 2001-854906	A1	20010514 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-206215P	20000522 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Craig J. Arnold, Amster, Rothstein & Ebenstein, 90 Park Avenue, New York, NY, 10016
NUMBER OF CLAIMS: 36
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 27 Drawing Page(s)
LINE COUNT: 2239

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to the three dimensional solution structure of tumor necrosis factor receptor 1 death domain (TNFR-1 DD), as well as the identification and characterization of various binding active sites of TNFR-1 DD. Also provided for by the present invention are methods of utilizing the three dimensional structure for the design and selection of potent and selective inhibitors of TNF signaling pathways.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 25 OF 62 USPATFULL

ACCESSION NUMBER: 2002:72626 USPATFULL
TITLE: Interferon-like protein Zcyto21
INVENTOR(S): Sheppard, Paul O., Granite Falls, WA, UNITED STATES
Presnell, Scott R., Tacoma, WA, UNITED STATES
Fox, Brian A., Seattle, WA, UNITED STATES
Gilbert, Teresa, Seattle, WA, UNITED STATES
Haldeman, Betty A., Seattle, WA, UNITED STATES
Grant, Francis J., Seattle, WA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002039763	A1	20020404
APPLICATION INFO.:	US 2001-895834	A1	20010629 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-215446P	20000630 (60)
	US 2001-285424P	20010420 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Robyn Admas, ZymoGenetics, Inc, 1201 Eastlake Avenue East, Seattle, WA, 98102
NUMBER OF CLAIMS: 14
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 6 Drawing Page(s)
LINE COUNT: 3089

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to polynucleotide and polypeptide molecules for Zcyto21, an interferon-like protein, which is most closely related to interferon-.alpha. at the amino acid sequence level. The present invention also includes antibodies to the Zcyto21 polypeptides, and methods of using the polynucleotides and polypeptides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 26 OF 62 USPATFULL

ACCESSION NUMBER: 2002:16895 USPATFULL
TITLE: Helical protein zalpha51
INVENTOR(S): Conklin, Darrell C., Seattle, WA, UNITED STATES
Presnell, Scott R., Tacoma, WA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002009775	A1	20020124
APPLICATION INFO.:	US 2001-810052	A1	20010316 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-190410P	20000317 (60)
	US 2000-199443P	20000425 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Deborah A. Sawislak, ZymoGenetics, Inc., 1201 Eastlake Avenue East, Seattle, WA, 98102	
NUMBER OF CLAIMS:	44	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	6 Drawing Page(s)	
LINE COUNT:	3249	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Novel **four-helix bundle** polypeptides, materials and methods for making them, and method of use are disclosed. The polypeptides comprise at least nine contiguous amino acid residues of SEQ ID NO:2 and SEQ ID NO: 5, and may be prepared as polypeptide **fusions** comprise heterologous sequences, such as affinity tags. The polypeptides and polynucleotides encoding them may be used within a variety of therapeutic, diagnostic, and research applications.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 27 OF 62 USPATFULL

ACCESSION NUMBER: 2002:332617 USPATFULL
 TITLE: Beryll fluoride analogues of acyl phosphate polypeptides
 INVENTOR(S): Dalai, Yan, Albany, CA, United States
 Kustu, Sydney, Berkeley, CA, United States
 Cho, Ho S., San Francisco, CA, United States
 PATENT ASSIGNEE(S): The Regents of the University of California, Oakland, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6495356	B1	20021217
APPLICATION INFO.:	US 2000-705233		20001101 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-168431P	19991130 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Weber, Jon P.	
LEGAL REPRESENTATIVE:	Bozicevic, Field and Francis LLP, Francis, Carol L.	
NUMBER OF CLAIMS:	15	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	19 Drawing Figure(s); 13 Drawing Page(s)	
LINE COUNT:	1604	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention features methods and compositions for production of persistent acyl phosphate analogues (e.g., aspartyl phosphate analogues) using beryll fluoride (BeF_{sub}.x), as well as polypeptides comprising such an acyl phosphate analogue and antibodies that specifically bind to these polypeptides. The invention further features methods of using BeFx analogues in screening assays to identify candidate agent compounds that modulate activity of polypeptides that normally exhibit activity due to the presence of an acyl phosphate linkage (e.g., a phosphorylated aspartate residue as in, e.g., polypeptides involved in signal transduction, polypeptides involved in ion transport across biological membranes, phosphotransferases, etc.). The BeFx polypeptide analogues can also be used to facilitate determination of the structure of the corresponding phosphorylated polypeptide and in rationale drug design.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 28 OF 62 USPATFULL

ACCESSION NUMBER: 2002:297432 USPATFULL
TITLE: Non-stochastic generation of genetic vaccines
INVENTOR(S): Short, Jay M., Rancho Santa Fe, CA, United States
PATENT ASSIGNEE(S): Diversa Corporation, San Diego, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6479258	B1	20021112
APPLICATION INFO.:	US 2000-495052		20000131 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1999-276860, filed on 26 Mar 1999 Continuation-in-part of Ser. No. US 1999-246178, filed on 4 Feb 1999, now patented, Pat. No. US 6171820 Continuation-in-part of Ser. No. US 1998-185373, filed on 3 Nov 1998 Continuation-in-part of Ser. No. US 1996-760489, filed on 5 Dec 1996, now patented, Pat. No. US 5830696		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1995-8311P	19951207 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Park, Hankyel T.	
LEGAL REPRESENTATIVE:	Gray Cary Ware & Freidenrich LLP, Haile, Lisa A.	
NUMBER OF CLAIMS:	86	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	66 Drawing Figure(s); 61 Drawing Page(s)	
LINE COUNT:	19213	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention provides methods of obtaining vaccines by use of non-stochastic methods of directed evolution (DirectEvolution.TM.). These methods include non-stochastic polynucleotide site-saturation mutagenesis (Gene Site Saturation Mutagenesis.TM.) and non-stochastic polynucleotide reassembly (GeneReassembly.TM.). Through use of the claimed methods, vectors can be obtained which exhibit increased efficacy for use as genetic vaccines. Vectors obtained by using the methods can have, for example, enhanced antigen expression, increased uptake into a cell, increased stability in a cell, ability to tailor an immune response, and the like.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 29 OF 62 USPATFULL

ACCESSION NUMBER: 2002:224589 USPATFULL
TITLE: Anticoagulant peptide fragments derived from apolipoprotein B-100
INVENTOR(S): Bruckdorfer, Karl Richard, London, UNITED KINGDOM
Ettelaie, Camille, London, UNITED KINGDOM
PATENT ASSIGNEE(S): University College London, London, UNITED KINGDOM (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6444644	B1	20020903
	WO 9743311		19971120
APPLICATION INFO.:	US 1998-183422		19981207 (9)
	WO 1997-GB1255		19970509
			19981207 PCT 371 date

NUMBER	DATE
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PRIORITY INFORMATION: GB 1996-9701255 19960509
DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Davenport, Avis M.
LEGAL REPRESENTATIVE: Nixon & Vanderhye P.C.
NUMBER OF CLAIMS: 48
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 7 Drawing Figure(s); 6 Drawing Page(s)
LINE COUNT: 2426

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides a peptide compound of formula
Z.sup.1--K--A--Q--X.sup.1--K--K--N--K--H--R--H--S--X.sup.2--T--Z.sup.2
(SEQ ID NO:1) where: X.sup.1 represents S or Y, X.sup.2 represents T or
I, Z.sup.1 represents the N terminus of the peptide, or from 1 to 47
amino acids, Z.sup.2 represents the C terminus of the peptide, a
terminal amide group, or from 1 to 77 amino acids; or a variant of this
peptide which contains one or more internal deletions, insertions or
substitutions and which substantially retains anti-coagulant properties
of apoB-100.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 30 OF 62 USPATFULL

ACCESSION NUMBER: 2002:144102 USPATFULL
TITLE: Helical cytokine zalpha33
INVENTOR(S): Conklin, Darrell C., Seattle, WA, United States
Gao, Zeren, Redmond, WA, United States
PATENT ASSIGNEE(S): ZymoGenetics, Inc., Seattle, WA, United States (U.S.
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6406888	B1	20020618
APPLICATION INFO.:	US 2000-593995		20000614 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-139121P	19990614 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Spector, Lorraine	
ASSISTANT EXAMINER:	Jiang, Dong	
LEGAL REPRESENTATIVE:	Parker, Gary E.	
NUMBER OF CLAIMS:	10	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	5 Drawing Figure(s); 5 Drawing Page(s)	
LINE COUNT:	2391	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Novel cytokine polypeptides, materials and methods for making them, and
method of use are disclosed. The polypeptides comprise at least nine
contiguous amino acid residues of SEQ ID NO:2 or SEQ ID NO:4, and may be
prepared as polypeptide **fusions** comprise heterologous
sequences, such as affinity tags. The polypeptides and polynucleotides
encoding them may be used within a variety of therapeutic, diagnostic,
and research applications.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 31 OF 62 USPATFULL

ACCESSION NUMBER: 2002:95933 USPATFULL
TITLE: Educational kit and method containing novel alpha
helical protein-34
INVENTOR S : Conklin, Darrell C., Seattle, WA, United States
Taft, David W., Seattle, WA, United States

PATENT ASSIGNEE(S): ZymoGenetics, Inc., Seattle, WA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6380361	B1	20020430
APPLICATION INFO.:	US 2000-695458		20001024 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-162623P	19991029 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Jones, W. Gary	
ASSISTANT EXAMINER:	Taylor, Janell E.	
LEGAL REPRESENTATIVE:	Lunn, Esq., Paul G.	
NUMBER OF CLAIMS:	3	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	0 Drawing Figure(s); 0 Drawing Page(s)	
LINE COUNT:	2860	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An educational kit comprised of novel a novel polypeptide, alpha helical protein-34 (Zalpha34), polynucleotides that encode Zalpha34 and antibodies to Zalpha34. The present invention also relates to polynucleotide and polypeptide molecules for Zalpha34. The polypeptides, and polynucleotides encoding them, are hormonal and may be used to promote spermatogenesis. The present invention also includes antibodies to the Zalpha34 polypeptides, which can be used to inhibit spermatogenesis.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 32 OF 62 USPATFULL

ACCESSION NUMBER: 2002:63712 USPATFULL
TITLE: Exonuclease-mediated nucleic acid reassembly in directed evolution
INVENTOR(S): Short, Jay M., Rancho Santa Fe, CA, United States
Djavakhishvili, Tsotne David, San Diego, CA, United States
Frey, Gerhard Johann, San Diego, CA, United States
PATENT ASSIGNEE(S): Diversa Corporation, San Diego, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6361974	B1	20020326
APPLICATION INFO.:	US 2000-535754		20000327 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2000-522289, filed on 9 Mar 2000 Continuation-in-part of Ser. No. US 2000-498557, filed on 4 Feb 2000 Continuation-in-part of Ser. No. US 2000-495052, filed on 31 Jan 2000 Continuation-in-part of Ser. No. US 1999-332835, filed on 14 Jun 1999 Continuation-in-part of Ser. No. US 1999-276860, filed on 26 Mar 1999 Continuation-in-part of Ser. No. US 1999-267118, filed on 9 Mar 1999 Continuation-in-part of Ser. No. US 1999-246178, filed on 4 Feb 1999 Continuation-in-part of Ser. No. US 1998-185373, filed on 3 Nov 1998 Continuation of Ser. No. US 1996-760489, filed on 5 Dec 1996, now patented, Pat. No. US 5830696 Continuation-in-part of Ser. No. US 1997-962514, filed on 31 Oct 1997, now patented, Pat. No. US 6029056 Continuation-in-part of Ser. No. US 1996-677112, filed on 9 Jul 1996, now patented, Pat. No. US 5965408 Continuation-in-part of Ser. No. US 1996-651568, filed on 22 May 1996, now patented, Pat.		

	NUMBER	DATE
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PRIORITY INFORMATION:	US 1995-8311P	19951207 (60)
	US 1995-8316P	19951207 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Park, Hankyel T.	
LEGAL REPRESENTATIVE:	Gray Cary Ware & Freidenrich, Haile, Lisa A., Shen, Greg	
NUMBER OF CLAIMS:	15	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	6 Drawing Figure(s); 6 Drawing Page(s)	
LINE COUNT:	7313	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention provides methods of obtaining novel polynucleotides and encoded polypeptides by the use of non-stochastic methods of directed evolution (DirectEvolution.TM.). A particular advantage of exonuclease-mediated reassembly methods is the ability to reassemble nucleic acid strands that would otherwise be problematic to chimerize. Exonuclease-mediated reassembly methods can be used in combination with other mutagenesis methods provided herein. These methods include non-stochastic polynucleotide site-saturation mutagenesis (Gene Site Saturation Mutagenesis.TM.) and non-stochastic polynucleotide reassembly (GeneReassembly.TM.). This invention provides methods of obtaining novel enzymes that have optimized physical &/or biological properties. Through use of the claimed methods, genetic vaccines, enzymes, small molecules, and other desirable molecules can be evolved towards desirable properties. For example, vaccine vectors can be obtained that exhibit increased efficacy for use as genetic vaccines. Vectors obtained by using the methods can have, for example, enhanced antigen expression, increased uptake into a cell, increased stability in a cell, ability to tailor an immune response, and the like. Furthermore, this invention provides methods of obtaining a variety of novel biologically active molecules, in the fields of antibiotics, pharmacotherapeutics, and transgenic traits.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 33 OF 62 USPATFULL

ACCESSION NUMBER: 2002:57570 USPATFULL
 TITLE: End selection in directed evolution
 INVENTOR(S): Short, Jay M., Encinitas, CA, United States
 Frey, Gerhard Johann, San Diego, CA, United States
 PATENT ASSIGNEE(S): Diversa Corporation, San Diego, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
	-----	-----	-----
PATENT INFORMATION:	US 6358709	B1	20020319
APPLICATION INFO.:	US 2000-522289		20000309 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2000-498557, filed on 4 Feb 2000 Continuation-in-part of Ser. No. US 2000-495052, filed on 13 Jan 2000 Continuation-in-part of Ser. No. US 1999-332835, filed on 14 Jun 1999, now abandoned Continuation-in-part of Ser. No. US 1999-276860, filed on 26 Mar 1999 Continuation-in-part of Ser. No. US 1999-267118, filed on 9 Mar 1999, now patented, Pat. No. US 6238884 Continuation-in-part of Ser. No. US 1999-246178, filed on 4 Feb 1999, now patented, Pat. No. US 6171820 Continuation-in-part of Ser. No. US 1998-185373, filed on 3 Nov 1998 Continuation of Ser. No. US 1996-760489, filed on 5 Dec 1996, now patented, Pat. No. US 5830696		

Continuation-in-part of Ser. No. US 1997-962504, filed
on 31 Oct 1997 Continuation-in-part of Ser. No. US
1996-677112, filed on 9 Jul 1996, now patented, Pat.
No. US 5965408 Continuation-in-part of Ser. No. US
1996-651568, filed on 22 May 1996, now patented, Pat.
No. US 5939250

	NUMBER	DATE
PRIORITY INFORMATION:	US 1995-8311P	19951207 (60)
	US 1995-8316P	19951207 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Park, Hankyel T.	
LEGAL REPRESENTATIVE:	Gray Cary Ware & Freidenrich LLP, Haile, Lisa A.	
NUMBER OF CLAIMS:	36	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	11 Drawing Figure(s); 7 Drawing Page(s)	
LINE COUNT:	7029	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention provides methods of obtaining novel polynucleotides and encoded polypeptides by the use of non-stochastic methods of directed evolution (DirectEvolution.TM.). A particular advantage of end-selection-based methods is the ability to recover full-length polynucleotides from a library of progeny molecules generated by mutagenesis methods. These methods include non-stochastic polynucleotide site-saturation mutagenesis (Gene Site Saturation Mutagenesis.TM.) and non-stochastic polynucleotide reassembly (GeneReassembly.TM.). This invention provides methods of obtaining novel enzymes that have optimized physical &/or biological properties. Through use of the claimed methods, genetic vaccines, enzymes, small molecules, and other desirable molecules can be evolved towards desirable properties. For example, vaccine vectors can be obtained that exhibit increased efficacy for use as genetic vaccines. Vectors obtained by using the methods can have, for example, enhanced antigen expression, increased uptake into a cell, increased stability in a cell, ability to tailor an immune response, and the like. Furthermore, this invention provides methods of obtaining a variety of novel biologically active molecules, in the fields of antibiotics, pharmacotherapeutics, and transgenic traits.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 34 OF 62 USPATFULL

ACCESSION NUMBER: 2002:45482 USPATFULL
TITLE: Exonuclease-mediated gene assembly in directed evolution
INVENTOR(S): Short, Jay M., Encinitas, CA, United States
Frey, Gerhard J., San Diego, CA, United States
Djavakhishvili, Tsotne D., San Diego, CA, United States
PATENT ASSIGNEE(S): Diversa Corporation, San Diego, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6352842	B1	20020305
APPLICATION INFO.:	US 1999-276860		19990326 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1999-267118, filed on 9 Mar 1999, now patented, Pat. No. US 6238884		
	Continuation-in-part of Ser. No. US 1999-246178, filed on 4 Feb 1999, now patented, Pat. No. US 6171820		
	Continuation-in-part of Ser. No. US 1998-185373, filed on 3 Nov 1998 Continuation of Ser. No. US 1996-760489, filed on 5 Dec 1996, now patented, Pat. No. US 5830696		
	Continuation-in-part of Ser. No. US 1997-962504, filed on 31 Oct 1997, now abandoned Continuation-in-part of Ser. No. US 1996-677112, filed on 9 Jul 1996, now		

patented, Pat. No. US 5965408 Continuation-in-part of
Ser. No. US 1996-651568, filed on 22 May 1996, now
patented, Pat. No. US 5939250

	NUMBER	DATE
PRIORITY INFORMATION:	US 1995-8311P	19951207 (60)
	US 1995-8316P	19951207 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Park, Hankyel T.	
LEGAL REPRESENTATIVE:	Gray Cary Ware & Freidenrich LLP, Haile, Lisa A., Shen, Greg	
NUMBER OF CLAIMS:	20	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	1 Drawing Figure(s); 1 Drawing Page(s)	
LINE COUNT:	4817	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A directed evolution process comprising novel methods for generating improved progeny molecules having desirable properties, including, for example, a method for rapid and facilitated production from a parental polynucleotide template, of a set of mutagenized progeny polynucleotides wherein at least one codon encoding each of the 20 naturally encoded amino acids is represented at each original codon position. This method, termed site-saturation mutagenesis, or simply saturation mutagenesis, is preferably based on the use of the degenerate N,N,G/T sequence. Also, a method of producing from a parental polypeptide template, a set of mutagenized progeny polypeptides wherein each of the 20 naturally encoded amino acids is represented at each original amino acid position. Also, other mutagenization processes that can be used in combination with, or in lieu of, saturation mutagenesis, including, for example: (a) assembly and/or reassembly of polynucleotide building blocks (including sections of genes &/or of gene families) mediated by a source of exonuclease activity such as exonuclease III; and (b) introduction of two or more related polynucleotides into a suitable host cell such that a hybrid polynucleotide is generated by recombination and reductive reassortment. Also molecular property screening methods, including a preferred method, termed end selection, comprised of using an enzyme, such as a topoisomerase, a restriction endonuclease, &/or a nicking enzyme (such as N. BstNB I), to detect a specific terminal sequence in a working polynucleotide, to produce a ligatable end thereat, and to ligate and clone the working polynucleotide.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 35 OF 62 USPATFULL

ACCESSION NUMBER: 2002:24196 USPATFULL
TITLE: Methods for recombining nucleic acids
INVENTOR(S): Stemmer, Willem P.C., Los Gatos, CA, United States
PATENT ASSIGNEE(S): Maxygen, Inc., Redwood City, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6344356	B1	20020205
APPLICATION INFO.:	US 2000-596778		20000608 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1996-621859, filed on 25 Mar 1996, now patented, Pat. No. US 6117679		
	Continuation-in-part of Ser. No. US 1995-564955, filed on 30 Nov 1995, now patented, Pat. No. US 5811238		
	Continuation-in-part of Ser. No. US 537874, now patented, Pat. No. US 5830721		
	Continuation-in-part of Ser. No. US 1994-198431, filed on 17 Feb 1994, now patented, Pat. No. US 5605793		
DOCUMENT TYPE:	Utility		

FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Whisenant, Ethan
LEGAL REPRESENTATIVE: Kruse, Norman J., Quine, Jonathan Alan, Law Offices of
Jonathan Alan Quine
NUMBER OF CLAIMS: 37
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 72 Drawing Figure(s); 37 Drawing Page(s)
LINE COUNT: 6408

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method for DNA reassembly after random fragmentation, and its application to mutagenesis of nucleic acid sequences by in vitro or in vivo recombination is described. In particular, a method for the production of nucleic acid fragments or polynucleotides encoding mutant proteins is described. The present invention also relates to a method of repeated cycles of mutagenesis, shuffling and selection which allow for the directed molecular evolution in vitro or in vivo of proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 36 OF 62 USPATFULL

ACCESSION NUMBER: 2001:226441 USPATFULL
TITLE: Interferon-.epsilon.
INVENTOR(S): Conklin, Darrell C., Seattle, WA, United States
Grant, Francis J., Seattle, WA, United States
Rixon, Mark W., Issaquah, WA, United States
Kindsvogel, Wayne, Seattle, WA, United States
PATENT ASSIGNEE(S): ZymoGenetics, Inc., Seattle, WA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6329175	B1	20011211
APPLICATION INFO.:	US 1999-397992		19990916 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Eyler, Yvonne		
ASSISTANT EXAMINER:	Andres, Janet L.		
LEGAL REPRESENTATIVE:	Jones, Phillip B. C.		
NUMBER OF CLAIMS:	22		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	4 Drawing Figure(s); 4 Drawing Page(s)		
LINE COUNT:	4876		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Interferons represent an important class of biopharmaceutical products, which have a proven track record in the treatment of a variety of medical conditions, including the treatment of certain autoimmune diseases, the treatment of particular cancers, and the enhancement of the immune response against infectious agents. To date, four types of interferons have been found in humans: interferon-.alpha., interferon-.beta., interferon-.gamma., and interferon-.omega.. The present invention provides new forms of human and murine interferon, "interferon-.epsilon.," which have applications in diagnosis and therapy.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 37 OF 62 USPATFULL

ACCESSION NUMBER: 2001:197164 USPATFULL
TITLE: DNA encoding high affinity interleukin-4 muteins
INVENTOR(S): Greve, Jeffrey M., Berkeley, CA, United States
Sharafelt, Armen B., Moraga, CA, United States
Roczniak, Steven, Lafayette, CA, United States
PATENT ASSIGNEE S : Bayer Corporation, Berkeley, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6313272	B1	20111106
APPLICATION INFO.:	US 1999-350823		19990709 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1997-897020, filed on 18 Jul 1997, now patented, Pat. No. US 6028176		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1996-22537P	19960719 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Mertz, Prema	
ASSISTANT EXAMINER:	Prasad, Sarada C	
LEGAL REPRESENTATIVE:	Mahoney, John W., Shaw, Melissa A.	
NUMBER OF CLAIMS:	10	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	6 Drawing Figure(s); 6 Drawing Page(s)	
LINE COUNT:	1219	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A recombinant human IL-4 mutein numbered in accordance with wild-type IL-4 wherein the mutein comprises at least one amino acid substitution in the binding surface of either the A- or C-alpha helices of the wild-type IL-4 whereby the mutein binds to the IL-4R.alpha. receptor with at least greater affinity than native IL-4. The substitution is more preferably selected from the group of positions consisting of, in the A-helix, positions 13 and 16, and in the C-helix, positions 81 and 89. A most preferred embodiment is the recombinant human IL-4 mutein wherein the substitution at position 13 is Thr to Asp. Pharmaceutical compositions, amino acid and polynucleotide sequences encoding the muteins, transformed host cells, antibodies to the muteins, and methods of treatment are also described.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 38 OF 62 USPATFULL
 ACCESSION NUMBER: 2001:78911 USPATFULL
 TITLE: End selection in directed evolution
 INVENTOR(S): Short, Jay M., Encinitas, CA, United States
 Frey, Gerhard Johann, San Diego, CA, United States
 PATENT ASSIGNEE(S): Diversa Corporation, San Diego, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6238884	B1	20010529
APPLICATION INFO.:	US 1999-267118		19990309 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1999-246178, filed on 4 Feb 1999 Continuation-in-part of Ser. No. US 1998-185373, filed on 3 Nov 1998 Continuation of Ser. No. US 1996-760489, filed on 5 Dec 1996, now patented, Pat. No. US 5830696		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1995-8311P	19951207 (60)
	US 1995-8316P	19951207 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Park, Hankyel T.	
LEGAL REPRESENTATIVE:	Gray Cary Ware & Freidenrich LLP, Haile, Lisa A.	
NUMBER OF CLAIMS:	21	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	9 Drawing Figure s.; 5 Drawing Page(s)	
LINE COUNT:	4534	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A directed evolution process comprising novel methods for generating improved progeny molecules having desirable properties, including, for example, a method for rapid and facilitated production from a parental polynucleotide template, of a set of mutagenized progeny polynucleotides wherein at least one codon encoding each of the 20 naturally encoded amino acids is represented at each original codon position. This method, termed site-saturation mutagenesis, or simply saturation mutagenesis, is preferably based on the use of the degenerate N,N,G/T sequence. Also, a method of producing from a parental polypeptide template, a set of mutagenized progeny polypeptides wherein each of the 20 naturally encoded amino acids is represented at each original amino acid position. Also, other mutagenization processes that can be used in combination with, or in lieu of, saturation mutagenesis, including, for example: (a) assembly and/or reassembly of polynucleotide building blocks, which building blocks can be sections of genes &/or of gene families; and (b) introduction of two or more related polynucleotides into a suitable host cell such that a hybrid polynucleotide is generated by recombination and reductive reassortment. Also, vector and expression vehicles including such polynucleotides and correspondingly expressed polypeptides. Also molecular property screening methods, including a preferred method, termed end selection, comprised of using an enzyme, such as a topoisomerase, a restriction endonuclease, &/or a nicking enzyme (such as N. BstNB I), to detect a specific terminal sequence in a working polynucleotide, to produce a ligatable end thereat, and to ligate and clone the working polynucleotide.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 39 OF 62 USPATFULL

ACCESSION NUMBER: 2001:18600 USPATFULL
TITLE: Soluble extracellular domain of human M-CSF receptor
INVENTOR(S): Moths, Kirston, El Cerrito, CA, United States
Taylor, Eric, Oakland, CA, United States
PATENT ASSIGNEE(S): Chiron Corporation, Emeryville, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6184354	B1	20010206
APPLICATION INFO.:	US 1995-462794		19950605 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 351292, now patented, Pat. No. US 5866114 Continuation-in-part of Ser. No. US 1992-896512, filed on 9 Jun 1992, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Pak, Michael		
LEGAL REPRESENTATIVE:	Pochopien, Donald J., Morley, Kimberlin L., Blackburn, Robert P.		
NUMBER OF CLAIMS:	3		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	7 Drawing Figure(s); 8 Drawing Page(s)		
LINE COUNT:	1940		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to methods for crystallizing macrophage colony stimulating factor. The present invention is also directed to methods for designing and producing M-CSF agonists and antagonists using information derived from the crystallographic structure of M-CSF. The invention is also directed to methods for screening M-CSF agonists and antagonists. In addition, the present invention is directed to an isolated, purified, soluble and functional M-CSF receptor.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 40 OF 62 USPATFULL

ACCESSION NUMBER: 2001:4494 USPATFULL
TITLE: Saturation mutagenesis in directed evolution
INVENTOR(S): Short, Jay M., Encinitas, CA, United States
PATENT ASSIGNEE(S): Diversa Corporation, San Diego, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6171820	B1	20010109
APPLICATION INFO.:	US 1999-246178		19990204 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1998-185373, filed on 3 Nov 1998 Continuation-in-part of Ser. No. US 1996-760489, filed on 5 Dec 1996, now patented, Pat. No. US 5830696 Continuation-in-part of Ser. No. US 1997-962504, filed on 31 Oct 1997 Continuation-in-part of Ser. No. US 1996-677112, filed on 9 Jul 1996, now patented, Pat. No. US 5965405, issued on 12 Oct 1999 Continuation-in-part of Ser. No. US 1996-651568, filed on 22 May 1996, now patented, Pat. No. US 5939250, issued on 17 Aug 1999		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1995-8311P	19951207 (60)
	US 1995-8316P	19951207 (60)
DOCUMENT TYPE:	Patent	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Park, Hankyel T.	
LEGAL REPRESENTATIVE:	Gary Cary Ware & Freidenrich LLP, Haile, Lisa A.	
NUMBER OF CLAIMS:	13	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Figure(s); 2 Drawing Page(s)	
LINE COUNT:	3968	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed is a rapid and facilitated method of producing from a parental template polynucleotide, a set of mutagenized progeny polynucleotides whereby at each original codon position there is produced at least one substitute codon encoding each of the 20 naturally encoded amino acids. Accordingly, there is also provided a method of producing from a parental template polypeptide, a set of mutagenized progeny polypeptides wherein each of the 20 naturally encoded amino acids is represented at each original amino acid position. The method provided is termed site-saturation mutagenesis, or simply saturation mutagenesis, and can be used in combination with other mutagenization processes, such as, for example, a process wherein two or more related polynucleotides are introduced into a suitable host cell such that a hybrid polynucleotide is generated by recombination and reductive reassortment. Also provided are vector and expression vehicles including such polynucleotides, polypeptides expressed by the hybrid polynucleotides and a method for screening for hybrid polypeptides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 41 OF 62 USPATFULL

ACCESSION NUMBER: 2000:164270 USPATFULL
TITLE: Peptide library and screening method
INVENTOR(S): Schatz, Peter J., Mountain View, CA, United States
Cull, Millard G., Oakland, CA, United States
Miller, Jeff F., Los Angeles, CA, United States
Stemmer, Willem Peter Christiaan, Los Gatos, CA, United States
Gates, Christian M., Morgan Hill, CA, United States (4)
PATENT ASSIGNEE(S): Affymax Technologies N.V., Greenford, United Kingdom (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6156511		20001205
APPLICATION INFO.:	US 1998-10216		19980121 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1995-548540, filed on 26 Oct 1995, now patented, Pat. No. US 5733731 which is a continuation-in-part of Ser. No. US 1994-290641, filed on 15 Aug 1994, now patented, Pat. No. US 5498530 which is a continuation of Ser. No. US 1992-963321, filed on 15 Oct 1992, now patented, Pat. No. US 5338665 which is a continuation-in-part of Ser. No. US 1991-778233, filed on 16 Oct 1991, now patented, Pat. No. US 5270170		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Ketter, James		
LEGAL REPRESENTATIVE:	Lieberschuetz, Joe, Stevens, Lauren L., Ausenhus, Scott		
NUMBER OF CLAIMS:	35		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	12 Drawing Figure(s); 11 Drawing Page(s)		
LINE COUNT:	4393		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A random peptide library constructed by transforming host cells with a collection of recombinant vectors that encode a **fusion** protein comprised of a DNA binding protein and a random peptide and also encode a binding site for the DNA. binding protein can be used to screen for novel ligands. The screening method results in the formation of a complex comprising the **fusion** protein bound to a receptor through the random peptide ligand and to the recombinant DNA vector through the DNA binding protein.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 42 OF 62 USPATFULL
 ACCESSION NUMBER: 2000:109565 USPATFULL
 TITLE: Peptide library and screening method
 INVENTOR(S): Hart, Charles P., Mountain View, CA, United States
 PATENT ASSIGNEE(S): Affymax Technologies N.V., Curaco, Netherlands (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6107059		20000822
APPLICATION INFO.:	US 1992-876288		19920429 (7)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Campell, Bruce R.		
LEGAL REPRESENTATIVE:	Townsend & Townsend & Crew		
NUMBER OF CLAIMS:	8		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	10 Drawing Figure(s); 12 Drawing Page(s)		
LINE COUNT:	2405		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A random peptide library constructed by transforming host cells with a collection of recombinant vectors that encode a **fusion** protein comprised of a carrier protein fused to a random peptide through a proteolytic cleavage site can be used to identify ligands that bind to a receptor. The screening method results in the formation of a complex comprising the **fusion** protein bound to a receptor through the random peptide ligand, and the random peptide can easily be identified and analyzed by virtue of the carrier protein and associated proteolytic cleavage site.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 43 OF 62 USPATFULL

ACCESSION NUMBER: 2000:21670 USPATFULL
TITLE: High-affinity interleukin-4 muteins
INVENTOR(S): Greve, Jeffrey M., Berkeley, CA, United States
Shanafelt, Armen B., Moraga, CA, United States
Roczniak, Steven, Lafayette, CA, United States
PATENT ASSIGNEE(S): Bayer Corporation, Pittsburgh, PA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6028176		20000222
APPLICATION INFO.:	US 1997-897020		19970718 (8)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1996-22537P	19960719 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Draper, Garnette D.	
LEGAL REPRESENTATIVE:	Jones, Huw R.	
NUMBER OF CLAIMS:	21	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	6 Drawing Figure(s); 6 Drawing Page(s)	
LINE COUNT:	1445	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention is directed to recombinant human IL-4 muteins numbered in accordance with wild-type IL-4 wherein the muteins comprise at least one amino acid substitution selected from the group consisting of substitutions at positions 13, 16, 81 and 89 of the wild-type IL-4, whereby the mutein binds to the IL-4R.alpha. receptor with at least greater affinity than native IL-4. The invention is further directed to recombinant human IL-4 antagonist muteins numbered in accordance with wild-type IL-4 wherein the muteins comprise substitutions R121D and Y124D in the D-helix of said wild-type IL-4; and at least one amino acid substitution selected from the group consisting of substitutions at positions 13, 16, 81 and 89 of said wild-type IL-4, whereby the mutein binds to the IL-4R.alpha. receptor with at least greater affinity than native IL-4. The invention is also directed to pharmaceutical compositions comprising individual muteins in combination with pharmaceutically acceptable carriers.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 44 OF 62 USPATFULL

ACCESSION NUMBER: 2000:18232 USPATFULL
TITLE: Identification of M-CSF agonists and antagonists
INVENTOR(S): Pandit, Jayvardhan, Mystic, CT, United States
Jancarik, Jarmila, Walnut Creek, CA, United States
Kim, Sung-Hou, Moraga, CA, United States
Koths, Kirston, El Cerrito, CA, United States
Halenbeck, Robert, San Rafael, CA, United States
Fear, Anna Lisa, Oakland, CA, United States
Taylor, Eric, Oakland, CA, United States
Yamamoto, Ralph, Martinez, CA, United States
Bohm, Andrew, Armonk, NY, United States
PATENT ASSIGNEE(S): Chiron Corporation, Emeryville, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6025146		20000215
APPLICATION INFO.:	US 1995-462069		19950605 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 351292		
DOCUMENT TYPE:	Utility		

FILE SEGMENT: Granted
PRIMARY EXAMINER: Ulm, John
ASSISTANT EXAMINER: Mertz, Prema
LEGAL REPRESENTATIVE: Pochopien, Donald, Potter, Jane E. R., Blackburn,
Robert P.
NUMBER OF CLAIMS: 5
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 12 Drawing Figure(s); 8 Drawing Page(s)
LINE COUNT: 1829

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to methods for crystallizing macrophage colony stimulating factor. The present invention is also directed to methods for designing and producing M-CSF agonists and antagonists using information derived from the crystallographic structure of M-CSF. The invention is also directed to methods for screening M-CSF agonists and antagonists. In addition, the present invention is directed to an isolated, purified, soluble and functional M-CSF receptor.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 45 OF 62 USPATFULL

ACCESSION NUMBER: 1999:102900 USPATFULL
TITLE: Class II cytokine receptor
INVENTOR(S): Lok, Si, Seattle, WA, United States
Kho, Choon J., Singapore, Singapore
Jelmsberg, Anna C., Issaquah, WA, United States
Adams, Robyn L, Bellevue, WA, United States
Whitmore, Theodore E., Redmond, WA, United States
Farrah, Theresa M., Seattle, WA, United States
PATENT ASSIGNEE(S): ZymoGenetics, Inc., Seattle, WA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5945511		19990831
APPLICATION INFO.:	US 1997-943087		19971002 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1997-803305, filed on 20 Feb 1997, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Draper, Garnette D.		
LEGAL REPRESENTATIVE:	Lunn, Esq., Paul G.		
NUMBER OF CLAIMS:	4		
EXEMPLARY CLAIM:	1		
LINE COUNT:	4777		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Novel receptor polypeptides, polynucleotides encoding the polypeptides, and related compositions and methods are disclosed. The polypeptides comprise an extracellular domain of a cell-surface receptor that is expressed in kidneys, pancreas, prostate, adrenal cortex and nervous tissue. The polypeptides may be used within methods for detecting ligands that promote the proliferation and/or differentiation of these organs.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 46 OF 62 USPATFULL

ACCESSION NUMBER: 1999:15475 USPATFULL
TITLE: Crystallization of M-CSF.alpha.
INVENTOR(S): Pandit, Jayvardhan, Mystic, CT, United States
Jancarik, Jarmila, Walnut Creek, CA, United States
Kim, Sung-Hou, Moraga, CA, United States
Koths, Kirston, El Cerrito, CA, United States
Halenbeck, Robert, San Rafael, CA, United States

Fear, Anna Lisa, Oakland, CA, United States
 Taylor, Eric, Oakland, CA, United States
 Yamamoto, Ralph, Martinez, CA, United States
 Bachm, Andrew, Berkeley, CA, United States
 PATENT ASSIGNEE(S): Chiron Corporation, Emeryville, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5866114		19990202
	WO 9325687		19931223
APPLICATION INFO.:	US 1995-351292		19950525 (8)
	WO 1993-US5548		19930609
			19950525 PCT 371 date
			19950525 PCT 102(e) date
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1992-896512, filed on 9 Jun 1992, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Ulm, John		
ASSISTANT EXAMINER:	Mertz, Prema		
LEGAL REPRESENTATIVE:	Pochopien, Donald, Potter, Jane E. R., Blackburn, Robert P.		
NUMBER OF CLAIMS:	42		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	10 Drawing Figure(s); 7 Drawing Page(s)		
LINE COUNT:	2600		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

AB The present invention is directed to methods for crystallizing macrophage colony stimulating factor (M-CSF) and to a crystalline M-CSF produced thereby. The present invention is also directed to methods for designing and producing M-CSF agonists and antagonists using information derived from the crystallographic structure of M-CSF. The invention is also directed to methods for screening M-CSF agonists and antagonists. In addition, the present invention is directed to an isolated, purified, soluble and functional M-CSF receptor.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 47 OF 62 USPATFULL
 ACCESSION NUMBER: 1998:144242 USPATFULL
 TITLE: Biosynthetic binding proteins for immuno-targeting
 INVENTOR(S): Huston, James S., Chestnut Hill, MA, United States
 Houston, L. L., Oakland, CA, United States
 Ring, David B., Redwood City, CA, United States
 Oppermann, Hermann, Medway, MA, United States
 PATENT ASSIGNEE(S): Creative BioMolecules, Inc., Hopkinton, MA, United States (U.S. corporation)
 Chiron Corporation, Emeryville, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5837846		19981117
APPLICATION INFO.:	US 1995-461386		19950605 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1993-133804, filed on 7 Oct 1993, now patented, Pat. No. US 5534254 which is a continuation-in-part of Ser. No. US 1992-831967, filed on 6 Feb 1992, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Eisenschenk, Frank C.		
ASSISTANT EXAMINER:	Rabin, Evelyn		
LEGAL REPRESENTATIVE:	Testa, Hurwitz & Thibeault, LLP		
NUMBER OF CLAIMS:	12		

EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 8 Drawing Figure(s); 6 Drawing Page(s)
LINE COUNT: 1913
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed is a formulation for targeting an epitope on an antigen expressed in a mammal. The formulation comprises a pharmaceutically acceptable carrier together with a dimeric biosynthetic construct for binding at least one preselected antigen. The biosynthetic construct contains two polypeptide chains, each of which define single-chain Fv (sFv) binding proteins and have C-terminal tails that facilitate the crosslinking of two sFv polypeptides. The resulting dimeric constructs have a conformation permitting binding of a said preselected antigen by the binding site of each said polypeptide chain when administered to said mammal. The formulation has particular utility in in vivo imaging and drug targeting experiments.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 48 OF 62 USPATFULL

ACCESSION NUMBER: 1998:143904 USPATFULL
TITLE: Directed evolution of novel binding proteins
INVENTOR(S): Ladner, Robert Charles, Ijamsville, MD, United States
Guttermann, Sonia Kosow, Belmont, MA, United States
Roberts, Bruce Lindsay, Milford, MA, United States
Markland, William, Milford, MA, United States
Ley, Arthur Charles, Newton, MA, United States
Kent, Rachel Baribault, Boxborough, MA, United States
PATENT ASSIGNEE(S): Dyax, Corp., Cambridge, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5837500		19981117
APPLICATION INFO.:	US 1995-415922		19950403 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1993-9319, filed on 26 Jan 1993, now patented, Pat. No. US 5403484 which is a division of Ser. No. US 1991-664989, filed on 1 Mar 1991, now patented, Pat. No. US 5223409 which is a continuation-in-part of Ser. No. US 1990-487063, filed on 2 Mar 1990, now abandoned which is a continuation-in-part of Ser. No. US 1988-240160, filed on 2 Sep 1988, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Ulm, John		
LEGAL REPRESENTATIVE:	Cooper, Iver P.		
NUMBER OF CLAIMS:	43		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	16 Drawing Figure(s); 16 Drawing Page(s)		
LINE COUNT:	15973		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB In order to obtain a novel binding protein against a chosen target, DNA molecules, each encoding a protein comprising one of a family of similar potential binding domains and a structural signal calling for the display of the protein on the outer surface of a chosen bacterial cell, bacterial spore or phage (genetic package) are introduced into a genetic package. The protein is expressed and the potential binding domain is displayed on the outer surface of the package. The cells or viruses bearing the binding domains which recognize the target molecule are isolated and amplified. The successful binding domains are then characterized. One or more of these successful binding domains is used as a model for the design of a new family of potential binding domains, and the process is repeated until a novel binding domain having a desired affinity for the target molecule is obtained. In one embodiment, the first family of potential binding domains is related to bovine

pancreatic trypsin inhibitor, the genetic package is M13 phage, and the protein includes the outer surface transport signal of the M13 gene III protein.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 49 OF 62 USPATFULL

ACCESSION NUMBER: 1998:72727 USPATFULL
TITLE: Receptor activation with inactive hepatocyte growth factor ligands
INVENTOR(S): Godowski, Paul J., Pacifica, CA, United States
PATENT ASSIGNEE(S): Genentech, Inc., South San Francisco, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5770704		19980623
APPLICATION INFO.:	US 1997-792078		19970131 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1995-423291, filed on 17 Apr 1995, now abandoned which is a division of Ser. No. US 1994-268880, filed on 30 Jun 1994, now abandoned which is a continuation of Ser. No. US 1992-950572, filed on 22 Sep 1992, now abandoned which is a continuation-in-part of Ser. No. US 1992-884811, filed on 18 May 1992, now patented, Pat. No. US 5316921 And Ser. No. US 1992-885971, filed on 18 May 1992, now patented, Pat. No. US 5328837		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Hutzell, Paula K.		
ASSISTANT EXAMINER:	Hayes, Robert C.		
LEGAL REPRESENTATIVE:	Marschang, Diane L., Conley, Deirdre L.		
NUMBER OF CLAIMS:	4		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	12 Drawing Figure(s); 9 Drawing Page(s)		
LINE COUNT:	2643		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention concerns a method for activating receptors selected from receptor tyrosine kinases, cytokine receptors and members of the nerve growth factor receptor superfamily. A conjugate comprising the direct **fusion** of at least two ligands capable of binding to the receptor(s) to be activated is contacted with the receptors, whereby the ligands bind their respective receptors inducing receptor oligomerization.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 50 OF 62 USPATFULL

ACCESSION NUMBER: 1998:65362 USPATFULL
TITLE: Receptor activation with hepatocyte growth factor agonists
INVENTOR(S): Godowski, Paul J., Burlingame, CA, United States
PATENT ASSIGNEE(S): Genentech, Inc., San Francisco, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5763584		19980609
APPLICATION INFO.:	US 1995-435764		19950505 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1993-87784, filed on 13 Jul 1993, now abandoned which is a continuation-in-part of Ser. No. US 1992-950572, filed on 21 Sep 1992, now abandoned which is a continuation-in-part of Ser. No. US 1992-884811, filed on 18 May 1992, now patented, Pat. No. US 5316921 And a continuation-in-part of Ser.		

No. US 1992-885971, filed on 18 May 1992, now patented,
Pat. No. US 5328837

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Hutzell, Paula K.
ASSISTANT EXAMINER: Hayes, Robert C.
LEGAL REPRESENTATIVE: Marschang, Diane L., Conley, Deirdre L.
NUMBER OF CLAIMS: 4
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 24 Drawing Figure(s); 18 Drawing Page(s)
LINE COUNT: 2955

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention concerns a method for activating receptors selected from receptor tyrosine kinases, cytokine receptors and members of the nerve growth factor receptor superfamily. A conjugate comprising the direct **fusion** of at least two ligands capable of binding to the receptor(s) to be activated is contacted with the receptors, whereby the ligands bind their respective receptors inducing receptor oligomerization.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 51 OF 62 USPATFULL

ACCESSION NUMBER: 1998:54459 USPATFULL
TITLE: Biosynthetic binding proteins for immunotargeting
INVENTOR(S): Huston, James S., Chestnut Hill, MA, United States
Houston, L. L., Oakland, CA, United States
Ring, David B., Redwood City, CA, United States
Oppermann, Hermann, Medway, MA, United States
PATENT ASSIGNEE(S): Chiron Corporation, Emeryville, CA, United States (U.S. corporation)
Creative BioMolecules, Inc., Hopkinton, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5753204		19980519
APPLICATION INFO.:	US 1995-461838		19950605 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1993-133804, filed on 7 Oct 1993, now patented, Pat. No. US 5534254 which is a continuation-in-part of Ser. No. US 1992-831967, filed on 6 Feb 1992, now abandoned		

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Eisenschenk, Frank C.
LEGAL REPRESENTATIVE: Testa Hurwitz & Thibeault, LLP
NUMBER OF CLAIMS: 21
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 8 Drawing Figure(s); 6 Drawing Page(s)
LINE COUNT: 1981

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed is a formulation for targeting an epitope on an antigen expressed in a mammal. The formulation comprises a pharmaceutically acceptable carrier together with a dimeric biosynthetic construct for binding at least one preselected antigen. The biosynthetic construct contains two polypeptide chains, each of which define single-chain Fv (sFv) binding proteins and have C-terminal tails that facilitate the crosslinking of two sFv polypeptides. The resulting dimeric constructs have a conformation permitting binding of a preselected antigen by the binding site of each polypeptide chain when administered to a mammal. The formulation has particular utility in in vivo imaging and drug targeting experiments.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 52 OF 62 USPATFULL

ACCESSION NUMBER: 1998:42261 USPATFULL
TITLE: Methods to inhibit serine kinase activity and to alter intersubunit binding activity of phosphatidylinositol 3-kinase, and serine kinase active sequence of the same
INVENTOR(S): Dhand, Ritu Bala, London, England
Waterfield, Michael Derek, Speen Newbury, England
Hiles, Ian Donald, Bromley, England
Gout, Ivan Tarasovich, London, England
Kasuga, Masato, Kobe, Japan
Yonezawa, Kazuyoshi, Kobe, Japan
End, Peter, London, England
Fry, Michael, London, England
Panayotou, George, London, England
PATENT ASSIGNEE(S): Ludwig Institute for Cancer Research, New York, NY,
United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5741689		19980421
APPLICATION INFO.:	US 1994-185424		19940121 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Patterson, Jr., Charles L.		
LEGAL REPRESENTATIVE:	Felfe & Lynch		
NUMBER OF CLAIMS:	28		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	56 Drawing Figure(s); 31 Drawing Page(s)		
LINE COUNT:	1685		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides for a method to inhibit the binding between the p85 and p110 subunits of said PI3-kinase and thus a method to modulate PI3-kinase activity and modulate the response of cells to external stimuli. In particular, disabling, by conventional means, residues located in the inter-SH2 domain of said p85 subunit, specifically a region containing amino acid residue 478 to amino acid residue 513 of p85.alpha. subunit, or amino acid residue 445 to amino acid residue 485 of p85.beta. subunit of said PI3-kinase. Interference with these binding regions will affect binding between the subunits and results in inhibiting PI3-kinase activity. This invention further relates to a methods to modulate the serine kinase activity of the PI3-kinase which can be achieved by disabling the DRHNSN sequence of the p110 subunit and can also be used to effect changes in overall PI3-kinase activity. This invention is further related to an (ant)agonist which affects serine kinase activity of PI3-kinase. An agonist is provided which stimulates the phosphorylation of the p85 subunit at the serine residue at position 608, wherein phosphorylation at the serine residue indirectly results in inhibiting PI3-kinase activity.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 53 OF 62 USPATFULL

ACCESSION NUMBER: 1998:33759 USPATFULL
TITLE: Peptide library and screening method
INVENTOR(S): Schatz, Peter J., Mountain View, CA, United States
Cull, Millard G., Oakland, CA, United States
Miller, Jeff F., Los Angeles, CA, United States
Stemmer, Willem Peter Christiaan, Los Gatos, CA, United States
Gates, Christian M., Morgan Hill, CA, United States
PATENT ASSIGNEE(S): Affymax Technologies N.V., Greenford, England (non-U.S. corporation)

NUMBER	KIND	DATE
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PATENT INFORMATION: US 5733731 19980331
 APPLICATION INFO.: US 1995-548540 19951026 (8)
 RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1994-290641, filed on 15 Aug 1994, now patented, Pat. No. US 5498530 which is a continuation of Ser. No. US 1992-963321, filed on 15 Oct 1992, now patented, Pat. No. US 5338665 which is a continuation-in-part of Ser. No. US 1991-778233, filed on 16 Oct 1991, now patented, Pat. No. US 5270170

DOCUMENT TYPE: Utility
 FILE SEGMENT: Granted
 PRIMARY EXAMINER: Ketter, James
 LEGAL REPRESENTATIVE: Liebeschuetz, Joe, Stevens, Lauren L.
 NUMBER OF CLAIMS: 27
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 12 Drawing Figure(s); 11 Drawing Page(s)
 LINE COUNT: 3597

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A random peptide library constructed by transforming host cells with a collection of recombinant vectors that encode a **fusion** protein comprised of a DNA binding protein and a random peptide and also encode a binding site for the DNA binding protein can be used to screen for novel ligands. The screening method results in the formation of a complex comprising the **fusion** protein bound to a receptor through the random peptide ligand and to the recombinant DNA vector through the DNA binding protein.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 54 OF 62 USPATFULL

ACCESSION NUMBER: 97:101887 USPATFULL
 TITLE: Chimeric hepatocyte growth factor (HGF) ligand variants
 INVENTOR(S): Godowski, Paul J., Burlingame, CA, United States
 PATENT ASSIGNEE(S): Genentech, Inc., South San Francisco, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5684136		19971104
APPLICATION INFO.:	US 1995-435501		19950505 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1993-87784, filed on 13 Jul 1993, now abandoned which is a continuation-in-part of Ser. No. US 1992-950572, filed on 21 Sep 1992, now abandoned which is a continuation-in-part of Ser. No. US 1992-884811, filed on 18 May 1992, now patented, Pat. No. US 5316921 And Ser. No. US 1992-885971, filed on 18 May 1992, now patented, Pat. No. US 5328837		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Allen, Marianne P.		
ASSISTANT EXAMINER:	Hayes, Robert C.		
LEGAL REPRESENTATIVE:	Marschang, Diane L., Conley, Deirdre L.		
NUMBER OF CLAIMS:	5		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	24 Drawing Figure(s); 18 Drawing Page(s)		
LINE COUNT:	2916		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention concerns a method for activating receptors selected from receptor tyrosine kinases, cytokine receptors and members of the nerve growth factor receptor superfamily. A conjugate comprising the direct **fusion** of at least two ligands capable of binding to the receptor(s) to be activated is contacted with the receptors, whereby the ligands bind their respective receptors inducing receptor oligomerization.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 55 OF 62 USPATFULL

ACCESSION NUMBER: 97:99260 USPATFULL
TITLE: Growth hormone antagonists
INVENTOR(S): Kopchick, John J., Athens, OH, United States
Chen, Wen Y., Athens, OH, United States
PATENT ASSIGNEE(S): Ohio University, Athens, OH, United States (U.S.
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5681809		19971028
APPLICATION INFO.:	US 1994-313505		19940926 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1992-878703, filed on 4 May 1992, now patented, Pat. No. US 5350836 which is a continuation-in-part of Ser. No. US 1991-693305, filed on 1 May 1991, now abandoned which is a continuation-in-part of Ser. No. US 1989-419561, filed on 12 Oct 1989, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Jacobson, Dian C.		
ASSISTANT EXAMINER:	Carlson, K. Cochrane		
LEGAL REPRESENTATIVE:	Cooper, Iver P.		
NUMBER OF CLAIMS:	38		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	19 Drawing Figure(s); 12 Drawing Page(s)		
LINE COUNT:	1634		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to antagonists of vertebrate growth hormones obtained by mutation of the third alpha helix of such proteins (especially bovine or human GHs). These mutants have growth inhibitory or other GH-antagonizing effects. These novel hormones may be administered exogenously to animals, or transgenic animals may be made that express the antagonist. Animals have been made which exhibited a reduced growth phenotype.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 56 OF 62 USPATFULL

ACCESSION NUMBER: 96:101466 USPATFULL
TITLE: Directed evolution of novel binding proteins
INVENTOR(S): Ladner, Robert C., Ijamsville, MD, United States
Guterman, Sonia K., Belmont, MA, United States
Roberts, Bruce L., Milford, MA, United States
Markland, William, Milford, MA, United States
Ley, Arthur C., Newton, MA, United States
Kent, Rachel B., Boxborough, MA, United States
PATENT ASSIGNEE(S): Protein Engineering Corporation, Cambridge, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5571698		19961105
APPLICATION INFO.:	US 1993-57667		19930618 (8)
DISCLAIMER DATE:	20100629		
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1991-664989, filed on 1 Mar 1991, now patented, Pat. No. US 5223409 which is a continuation-in-part of Ser. No. US 1990-487063, filed on 2 Mar 1990, now abandoned which is a continuation-in-part of Ser. No. US 1988-240160, filed on 2 Sep 1988, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Ulm, John		

LEGAL REPRESENTATIVE: Cooper, Iver P.
NUMBER OF CLAIMS: 83
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 16 Drawing Figure(s) ; 16 Drawing Page(s)
LINE COUNT: 15323

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB In order to obtain a novel binding protein against a chosen target, DNA molecules, each encoding a protein comprising one of a family of similar potential binding domains and a structural signal calling for the display of the protein on the outer surface of a chosen bacterial cell, bacterial spore or phage (genetic package) are introduced into a genetic package. The protein is expressed and the potential binding domain is displayed on the outer surface of the package. The cells or viruses bearing the binding domains which recognize the target molecule are isolated and amplified. The successful binding domains are then characterized. One or more of these successful binding domains is used as a model for the design of a new family of potential binding domains, and the process is repeated until a novel binding domain having a desired affinity for the target molecule is obtained. In one embodiment, the first family of potential binding domains is related to bovine pancreatic trypsin inhibitor, the genetic package is M13 phage, and the protein includes the outer surface transport signal of the M13 gene III protein.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 57 OF 62 USPATFULL

ACCESSION NUMBER: 96:60443 USPATFULL
TITLE: Biosynthetic binding proteins for immuno-targeting
INVENTOR(S): Huston, James S., Chestnut Hill, MA, United States
Houston, L. L., Oakland, CA, United States
Ring, David B., Redwood City, CA, United States
Oppermann, Hermann, Medway, MA, United States
PATENT ASSIGNEE(S): Chiron Corporation, Emeryville, CA, United States (U.S. corporation)
Creative BioMolecules, Inc., Hopkinton, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5534254		19960709
APPLICATION INFO.:	US 1993-133804		19931007 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1992-831967, filed on 6 Feb 1992		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Adams, Donald E.		
LEGAL REPRESENTATIVE:	Testa, Hurwitz & Thibeault		
NUMBER OF CLAIMS:	30		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	8 Drawing Figure(s) ; 6 Drawing Page(s)		
LINE COUNT:	2002		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed is a formulation for targeting an epitope on an antigen expressed in a mammal. The formulation comprises a pharmaceutically acceptable carrier together with a dimeric biosynthetic construct for binding at least one preselected antigen. The biosynthetic construct contains two polypeptide chains, each of which define single-chain Fv (sFv) binding proteins and have C-terminal tails that facilitate the crosslinking of two sFv polypeptides. The resulting dimeric constructs have a conformation permitting binding of a said preselected antigen by the binding site of each said polypeptide chain when administered to said mammal. The formulation has particular utility in in vivo imaging and drug targeting experiments.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 58 OF 62 USPATFULL

ACCESSION NUMBER: 95:108256 USPATFULL
TITLE: Polypeptide analogs of apolipoprotein E, diagnostic systems and methods using the analogs
INVENTOR(S): Dyer, Cheryl A., Cardiff, CA, United States
Curtiss, Linda K., San Diego, CA, United States
Smith, Richard, Del Mar, CA, United States
PATENT ASSIGNEE(S): The Scripps Research Institute, La Jolla, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5473039		19951205
APPLICATION INFO.:	US 1991-805193		19911209 (7)
DISCLAIMER DATE:	20100105		
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1991-769629, filed on 30 Sep 1991, now abandoned which is a continuation-in-part of Ser. No. US 1990-625093, filed on 10 Dec 1990, now abandoned which is a continuation-in-part of Ser. No. US 1990-540363, filed on 18 Jun 1990, now patented, Pat. No. US 5168045 which is a continuation-in-part of Ser. No. US 1990-485158, filed on 26 Feb 1990, now patented, Pat. No. US 5182364 which is a continuation-in-part of Ser. No. US 1989-395732, filed on 18 Aug 1989, now patented, Pat. No. US 5177189		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Warden, Jill		
ASSISTANT EXAMINER:	Marshall, S. G.		
LEGAL REPRESENTATIVE:	Fitting, Thomas		
NUMBER OF CLAIMS:	4		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	8 Drawing Figure(s); 6 Drawing Page(s)		
LINE COUNT:	2890		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention contemplates a multimeric polypeptide capable of mimicking the ability of apo E to induce differentiated cellular function. The repeating unit of the polypeptide has an amino acid residue sequence corresponding to that represented by the formula LRXLKRLX. Also contemplated is a method for treating hypercholesterolemia in a patient, which method comprises administering to the patient an LDL plasma concentration-reducing amount of the polypeptide. Described as well, is the use of the polypeptide in preparing diagnostic antibodies, and their use in diagnostic systems and methods for detecting apo E antigens in vascular body fluids.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 59 OF 62 USPATFULL

ACCESSION NUMBER: 95:62572 USPATFULL
TITLE: Peptide library and screening systems
INVENTOR(S): Dower, William J., Menlo Park, CA, United States
Cwirla, Steven E., Palo Alto, CA, United States
Barrett, Ronald W., Sunnyvale, CA, United States
PATENT ASSIGNEE(S): Affymax Technologies N.V., Netherlands (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5432018		19950711
APPLICATION INFO.:	US 1991-718577		19910620 (7)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1990-541108, filed		

on 20 Jun 1990
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Scheiner, Toni R.
ASSISTANT EXAMINER: Wortman, Donna C.
LEGAL REPRESENTATIVE: Townsend and Townsend Khourie and Crew
NUMBER OF CLAIMS: 12
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 10 Drawing Figure(s); 7 Drawing Page(s)
LINE COUNT: 1739

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Peptides which bind to selected receptors are identified by screening libraries which encode a random or controlled collection of amino acids. Peptides encoded by the libraries are expressed as **fusion** proteins of bacteriophage coat proteins, and bacteriophage are then screened against the receptors of interest. Peptides having a wide variety of uses, such as therapeutic or diagnostic reagents, may thus be identified without any prior information on the structure of the expected ligand or receptor.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 60 OF 62 USPATFULL

ACCESSION NUMBER: 95:29292 USPATFULL
TITLE: Viruses expressing chimeric binding proteins
INVENTOR(S): Ladner, Robert C., Ijamsville, MD, United States
Guterman, Sonia K., Belmont, MA, United States
Roberts, Bruce L., Milford, MA, United States
Markland, William, Milford, MA, United States
Ley, Arthur C., Newton, MA, United States
Kent, Rachel B., Boxborough, MA, United States
PATENT ASSIGNEE(S): Protein Engineering Corporation, Cambridge, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5403484		19950404
APPLICATION INFO.:	US 1993-9319		19930126 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1991-664989, filed on 1 Mar 1991, now patented, Pat. No. US 5223409 which is a continuation-in-part of Ser. No. US 1990-487063, filed on 2 Mar 1990, now abandoned which is a continuation-in-part of Ser. No. US 1988-240160, filed on 2 Sep 1988, now abandoned		

	NUMBER	DATE
PRIORITY INFORMATION:	WO 1989-3731	19890901
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Hill, Jr., Robert J.	
ASSISTANT EXAMINER:	Ulm, John D.	
LEGAL REPRESENTATIVE:	Cooper, Iver P.	
NUMBER OF CLAIMS:	49	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	16 Drawing Figure(s); 16 Drawing Page(s)	
LINE COUNT:	14368	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB In order to obtain a novel binding protein against a chosen target, DNA molecules, each encoding a protein comprising one of a family of similar potential binding domains and a structural signal calling for the display of the protein on the outer surface of a chosen bacterial cell, bacterial spore or phage (genetic package) are introduced into a genetic package. The protein is expressed and the potential binding domain is displayed on the outer surface of the package. The cells or viruses

bearing the binding domains which recognize the target molecule are isolated and amplified. The successful binding domains are then characterized. One or more of these successful binding domains is used as a model for the design of a new family of potential binding domains, and the process is repeated until a novel binding domain having a desired affinity for the target molecule is obtained. In one embodiment, the first family of potential binding domains is related to bovine pancreatic trypsin inhibitor, the genetic package is M13 phage, and the protein includes the outer surface transport signal of the M13 gene III protein.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 61 OF 62 USPATFULL

ACCESSION NUMBER: 94:84343 USPATFULL
 TITLE: Growth hormone antagonists
 INVENTOR(S): Kopchick, John J., Athens, OH, United States
 Chen, Wen Y., Athens, OH, United States
 PATENT ASSIGNEE(S): Ohio University, Athens, OH, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5350836		19940927
APPLICATION INFO.:	US 1992-878703		19920504 (7)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1991-693305, filed on 1 May 1991, now abandoned which is a continuation-in-part of Ser. No. US 1989-419561, filed on 12 Oct 1989, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Draper, Garnette D.		
ASSISTANT EXAMINER:	Carlson, Karen Cochrane		
LEGAL REPRESENTATIVE:	Pennie & Edmonds		
NUMBER OF CLAIMS:	27		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	19 Drawing Figure(s); 12 Drawing Page(s)		
LINE COUNT:	1407		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to antagonists of vertebrate growth hormones obtained by mutation of the third alpha helix of such proteins (especially bovine or human GHs). These mutants have growth inhibitory or other GH-antagonizing effects. These novel hormones may be administered exogenously to animals, or transgenic animals may be made that express the antagonist. Animals have been made which exhibited a reduced growth phenotype.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 62 OF 62 USPATFULL

ACCESSION NUMBER: 93:52487 USPATFULL
 TITLE: Directed evolution of novel binding proteins
 INVENTOR(S): Ladner, Robert C., Ijamsville, MD, United States
 Guterman, Sonia K., Belmont, MA, United States
 Roberts, Bruce L., Milford, MA, United States
 Markland, William, Milford, MA, United States
 Ley, Arthur C., Newton, MA, United States
 Kent, Rachel B., Boxborough, MA, United States
 PATENT ASSIGNEE(S): Protein Engineering Corp., Cambridge, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5223409		19930629
APPLICATION INFO.:	US 1991-664989		19910301 (7)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1990-487063, filed on 2 Mar 1990, now abandoned And a continuation-in-part of Ser. No. US 1988-240160, filed on 2 Sep 1988, now abandoned

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Hill, Jr., Robert J.
ASSISTANT EXAMINER: Ulm, John D.
LEGAL REPRESENTATIVE: Cooper, Iver P.
NUMBER OF CLAIMS: 65
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 16 Drawing Figure(s); 16 Drawing Page(s)
LINE COUNT: 15410

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB In order to obtain a novel binding protein against a chosen target, DNA molecules, each encoding a protein comprising one of a family of similar potential binding domains and a structural signal calling for the display of the protein on the outer surface of a chosen bacterial cell, bacterial spore or phage (genetic package) are introduced into a genetic package. The protein is expressed and the potential binding domain is displayed on the outer surface of the package. The cells or viruses bearing the binding domains which recognize the target molecule are isolated and amplified. The successful binding domains are then characterized. One or more of these successful binding domains is used as a model for the design of a new family of potential binding domains, and the process is repeated until a novel binding domain having a desired affinity for the target molecule is obtained. In one embodiment, the first family of potential binding domains is related to bovine pancreatic trypsin inhibitor, the genetic package is M13 phage, and the protein includes the outer surface transport signal of the M13 gene III protein.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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